

Client:

الهيئة الهندسية للقوات المسلحة

Main Consultant:

Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:

Notes:

1. FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-FD-GEN-TX-001.

2. FOR FIRE ALARM SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.

3. FOR IP TELEPHONY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.

4. FOR SECURITY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.

5. FOR STRUCTURED CABLING SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TT-002.

6. FOR FIRE ALARM DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TF-001.

7. FOR STRUCTURED CABLING DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.

8. FOR ACCESS CONTROL DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TY-001.

9. FOR VIDEO SURVEILLANCE DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TY-002.

FOR CONSTRUCTION
MARCH 2021

0	APPROVED ISSUE	09/03/2021	M.K.
No.	Description	Date	App.

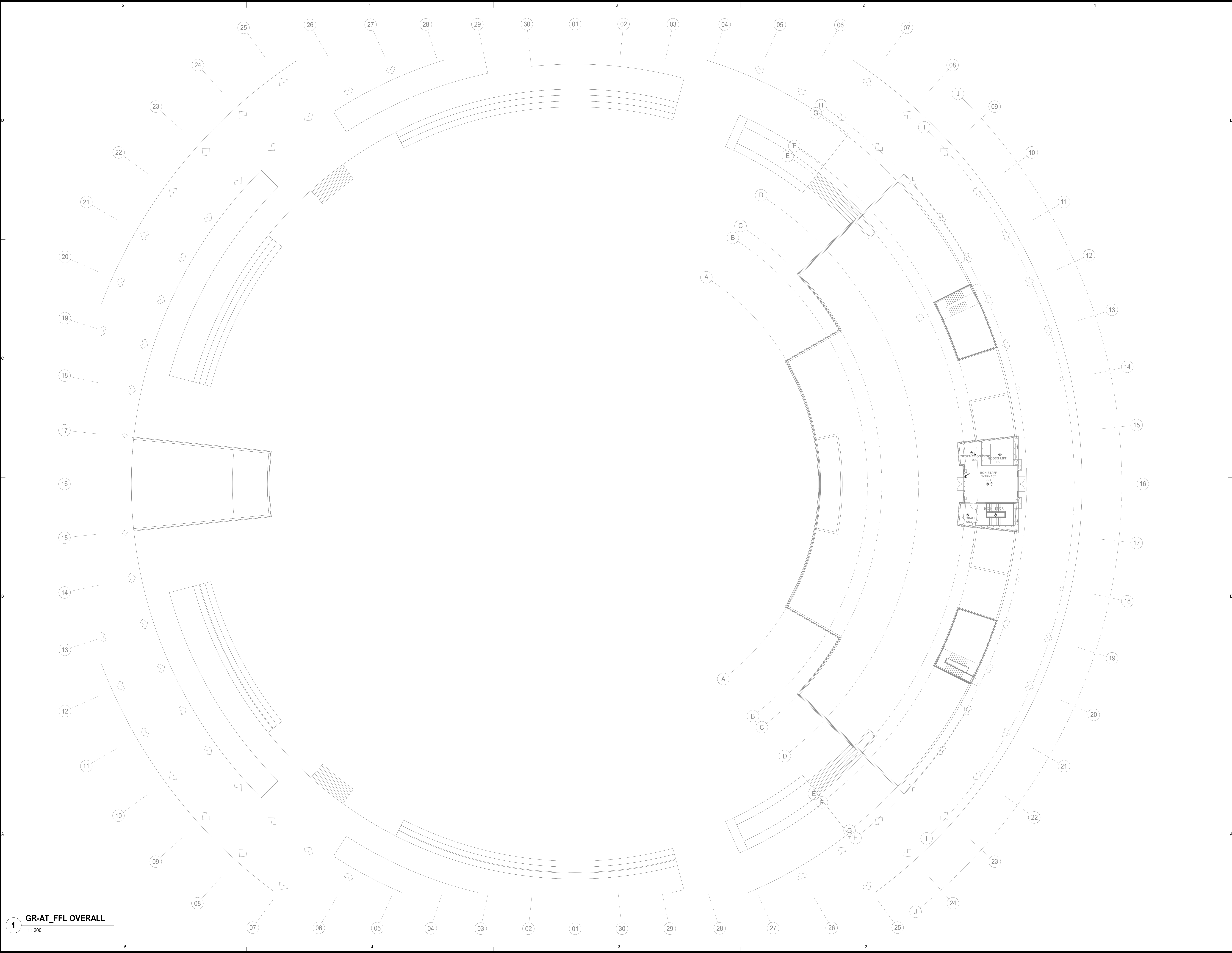
Drawing Title:

PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT FLOOR OVERALL- FIRE
ALARM SYSTEM LAYOUT

Designed	Checked	Approved
W.A.	N.S.	M.K.

Drawn	Date	Scale
A.S.	09/03/2021	1:200

PE20851C	FD	AT00	TF	101	0
Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.



1 GR-AT_FFL OVERALL

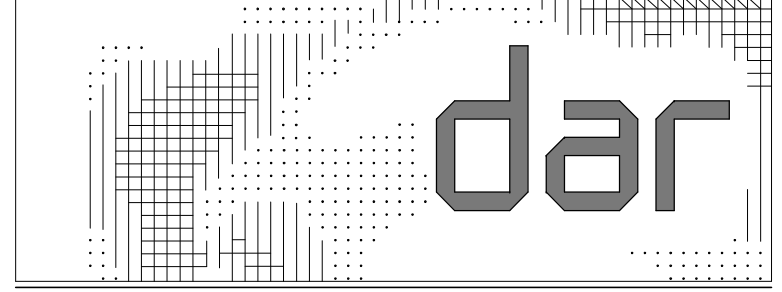
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Client:

الهيئة الهندسية للقوات المسلحة



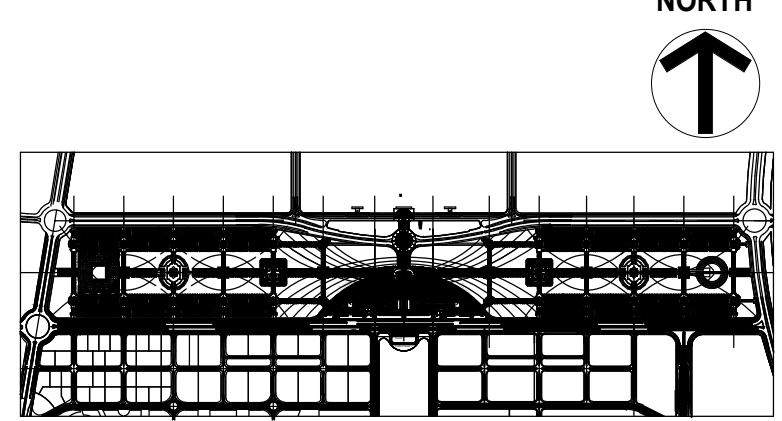
Main Consultant:



Project Name:

**Governmental District
The Presidential Park
Egypt Administrative Capital**

Key Plan:



Notes:

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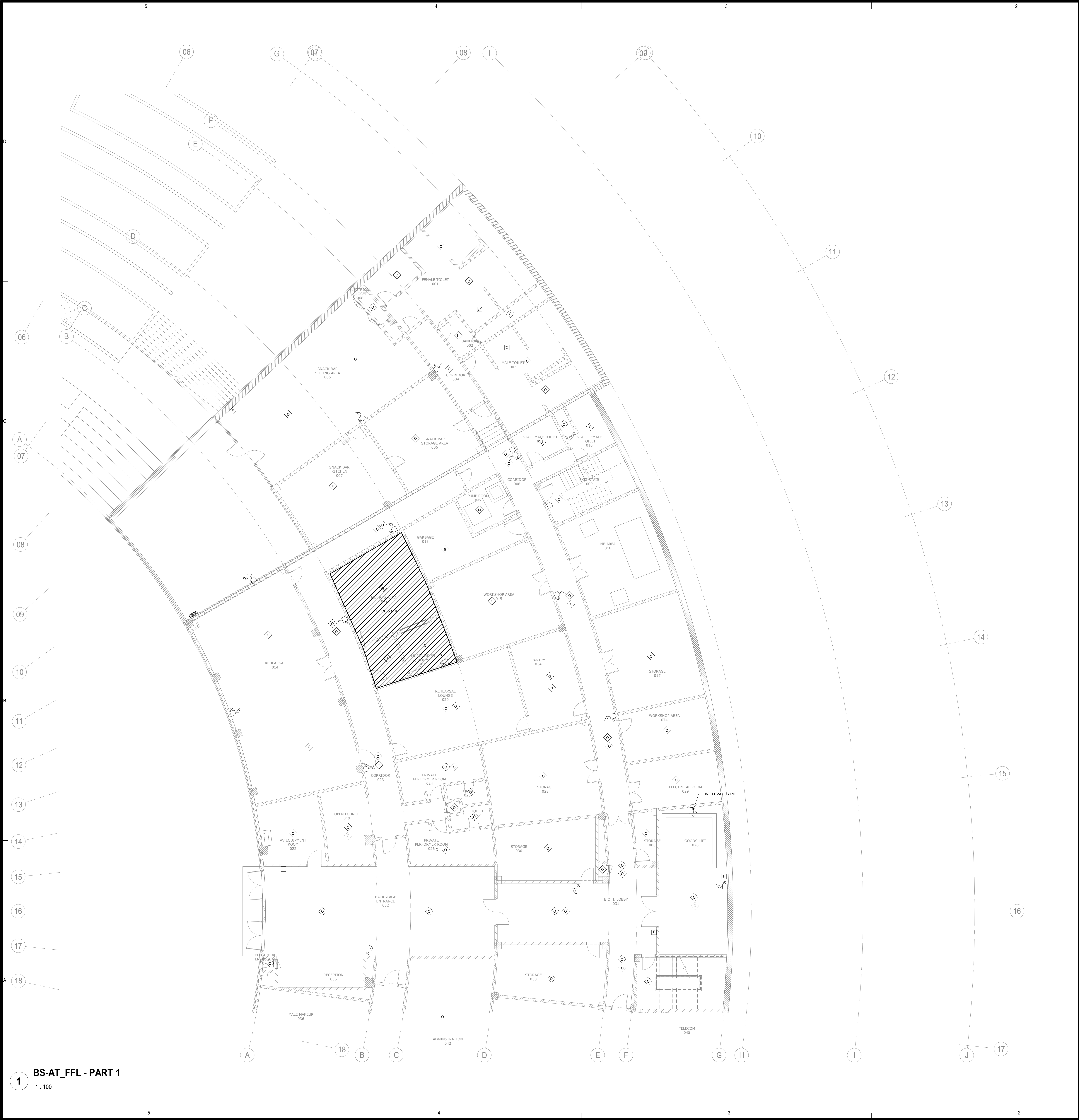
FOR CONSTRUCTION
MARCH 2021

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No.	Description	Date	App.	

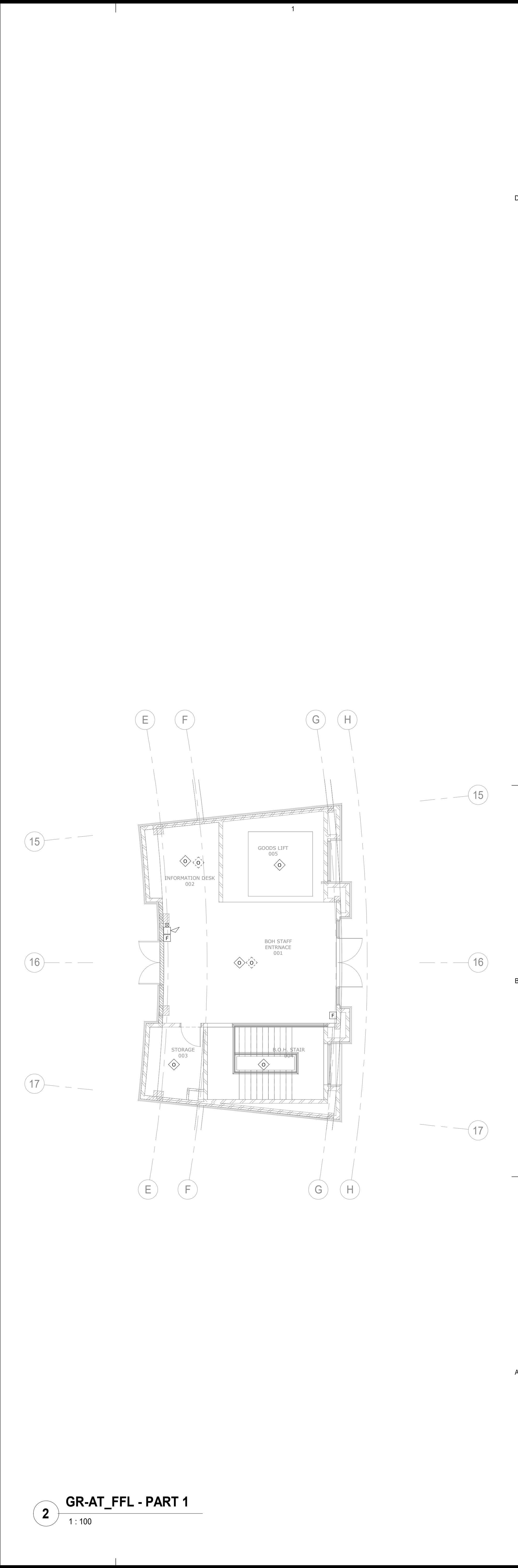
Drawing Title:

**PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING- GROUND
OVERALL- FIRE ALARM SYSTEM
LAYOUT**

Designed W.A.	Checked N.S.	Approved M.K.
Drawn A.S.	Date 09/03/2021	Scale 1 : 200
PE20851C	FD	AT00
Project No.	Phase	Project part (Department Acronym)
		Sheet No.
		Rev.




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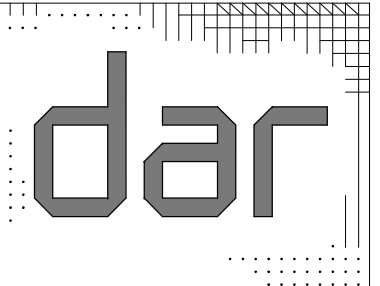
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Client:



الهيئة الهندسية للقوات المسلحة


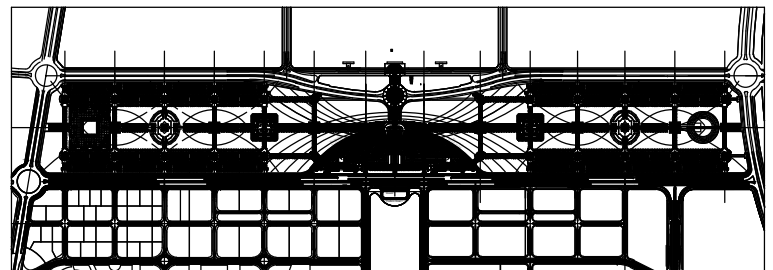
Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:

Notes:

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- FOR STRUCTURED CABLING SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TT-002.
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FOR CONSTRUCTION
MARCH 2021

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Drawing Title:
PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT PARTIAL FLOOR PLAN 1/2
& GROUND FLOOR PARTIAL PLAN
FIRE ALARM SYSTEM LAYOUT

Designed	Checked	Approved
W.A.	N.S.	M.K.

Drawn	Date	Scale
A.S.	09/03/2021	1 : 100

PE20851C	FD	AT00	TF	103	0
Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.

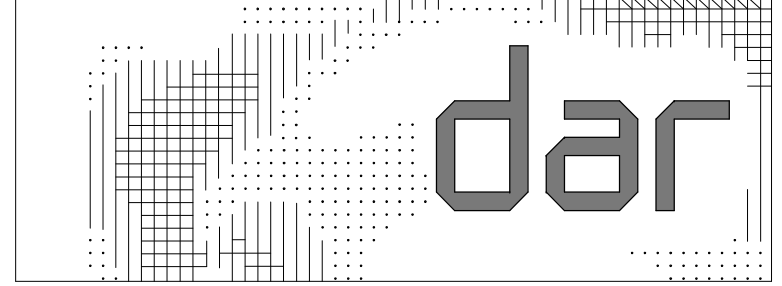


Client:

الهيئة الهندسية للقوات المسلحة



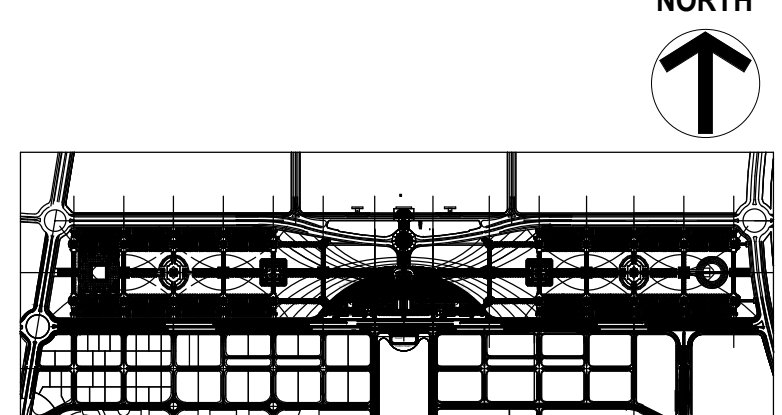
Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:



Notes:

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FOR CONSTRUCTION
MARCH 2021

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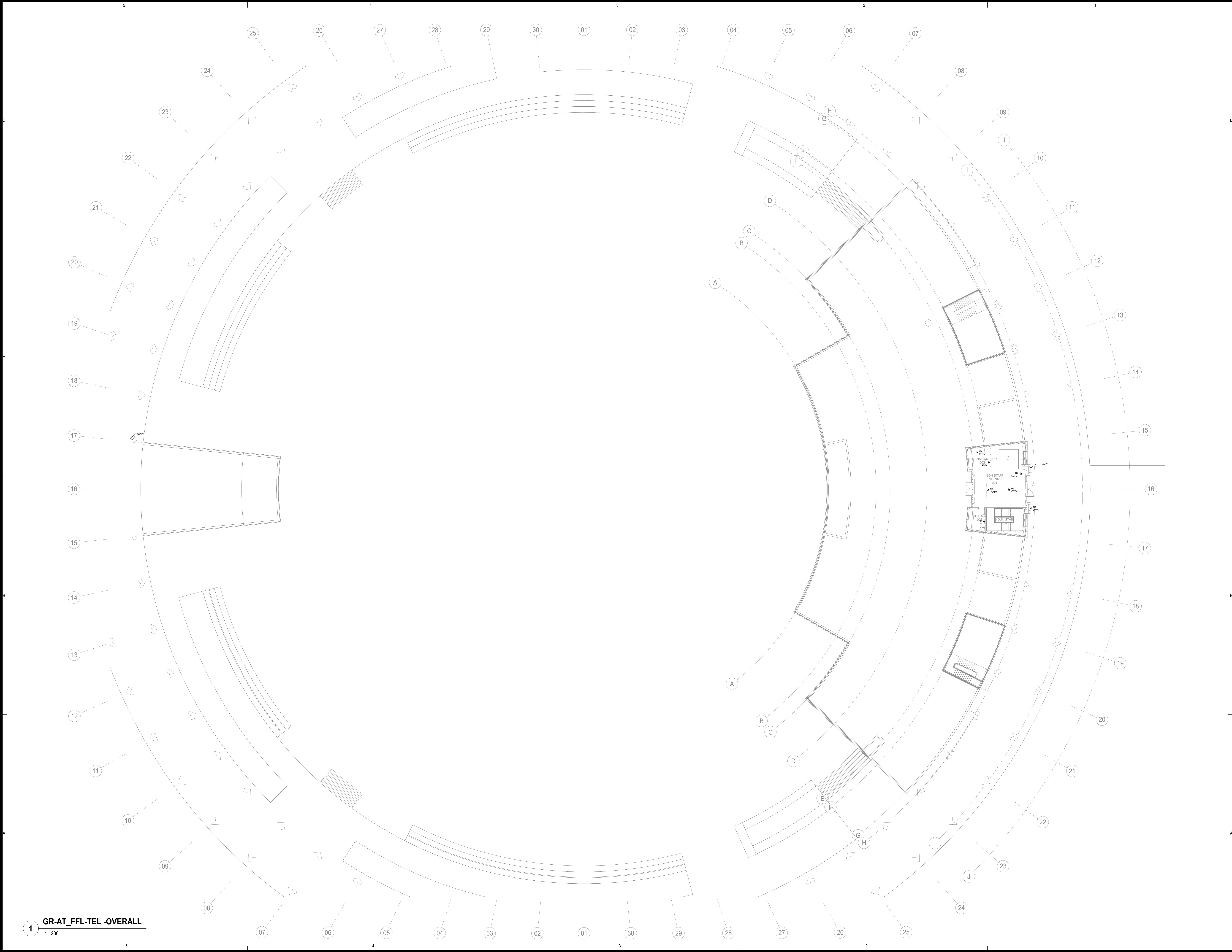
Drawing Title:

PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT PARTIAL FLOOR PLAN
2/2- FIRE ALARM SYSTEM LAYOUT

Designed W.A.	Checked N.S.	Approved M.K.
Drawn A.S.	Date 09/03/2021	Scale 1: 100
PE20851C	FD	AT00
Project No.	Phase	Project part (Department Acronym)
		Sheet No.
		Rev.



Designed W.A.		Checked N.S.		Approved M.K.	
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Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev



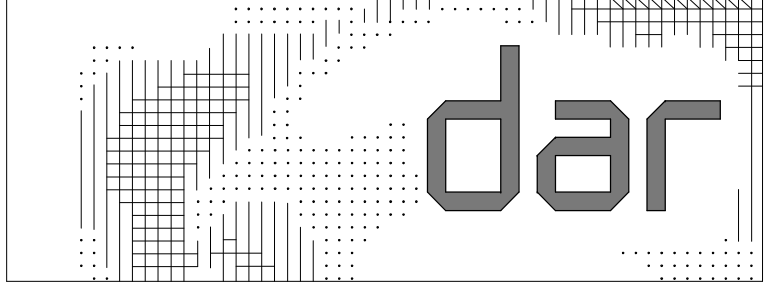
1 GR-AT_FFL-TEL-OVERALL
1 : 200

Client:

الهيئة الهندسية للقوات المسلحة



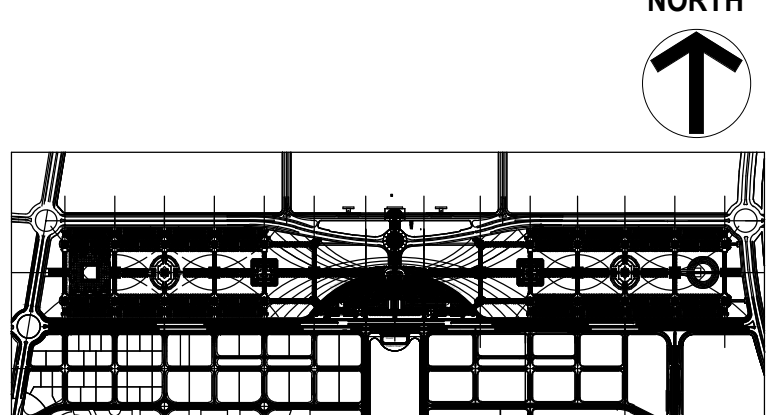
Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:



Notes:

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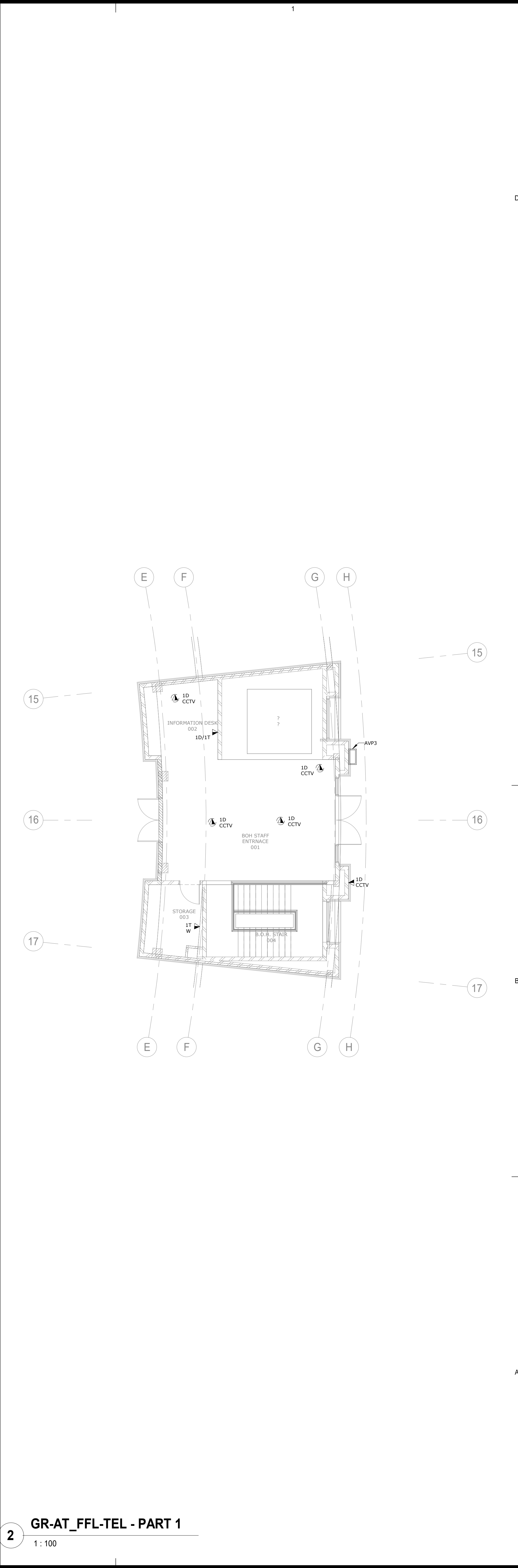
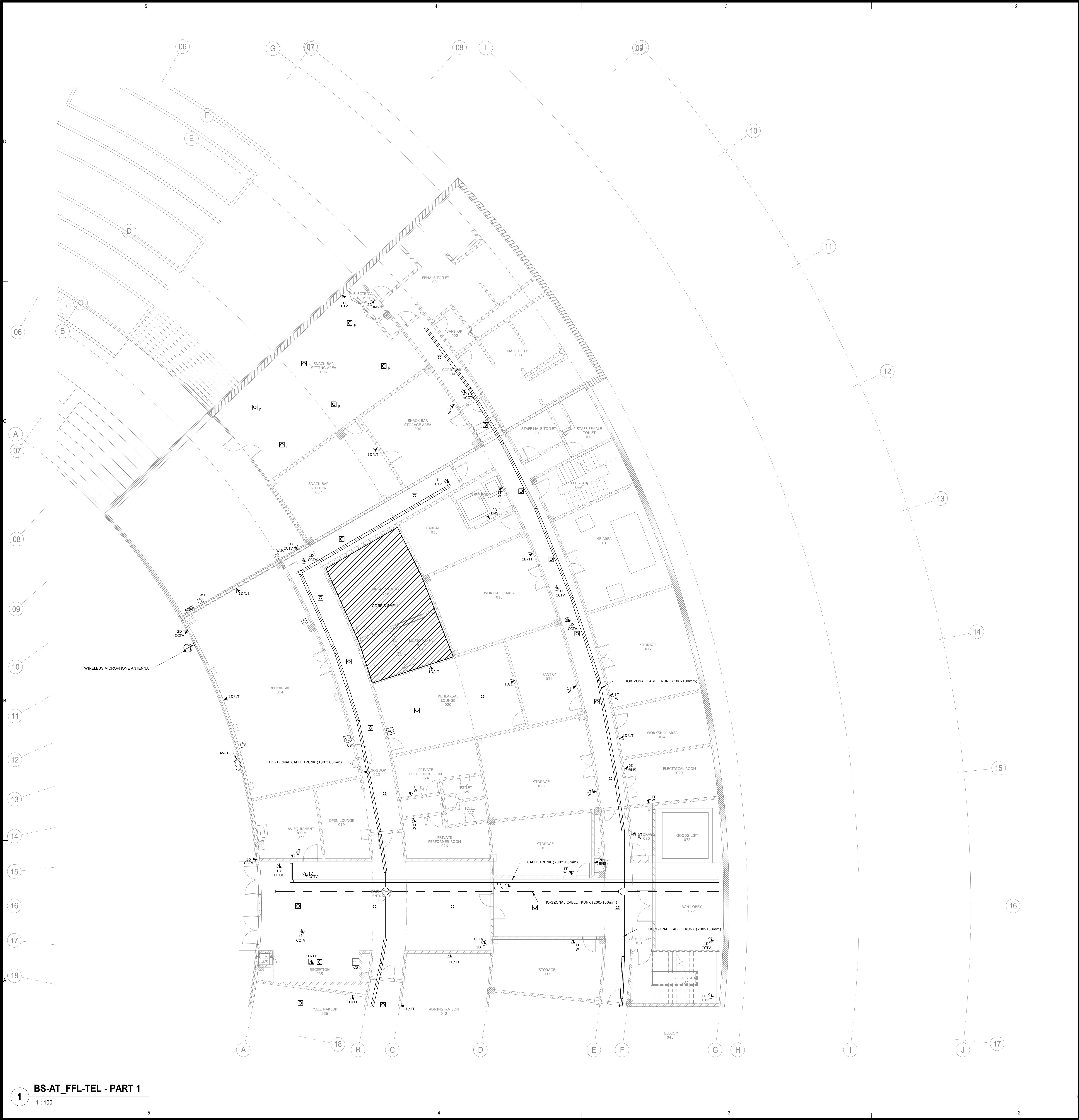
FOR CONSTRUCTION
MARCH 2021

No.	APPROVED ISSUE Description	09/03/2021 Date	M.K. App.
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Drawing Title:

PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING- GROUND
OVERALL- TELECOMMUNICATIONS
SYSTEMS LAYOUT

Designed W.A.	Checked N.S.	Approved M.K.
Drawn A.S.	Date 09/03/2021	Scale 1 : 200
PE20851C	FD	AT00
Project No.	Phase	Project part (Department Acronym)
		Sheet No.
		Rev.



Client: الهيئة الهندسية للقوات المسلحة

Main Consultant: dar

Project Name: Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan: NORTH

Notes:

- FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-FD-GEN-TX-001.
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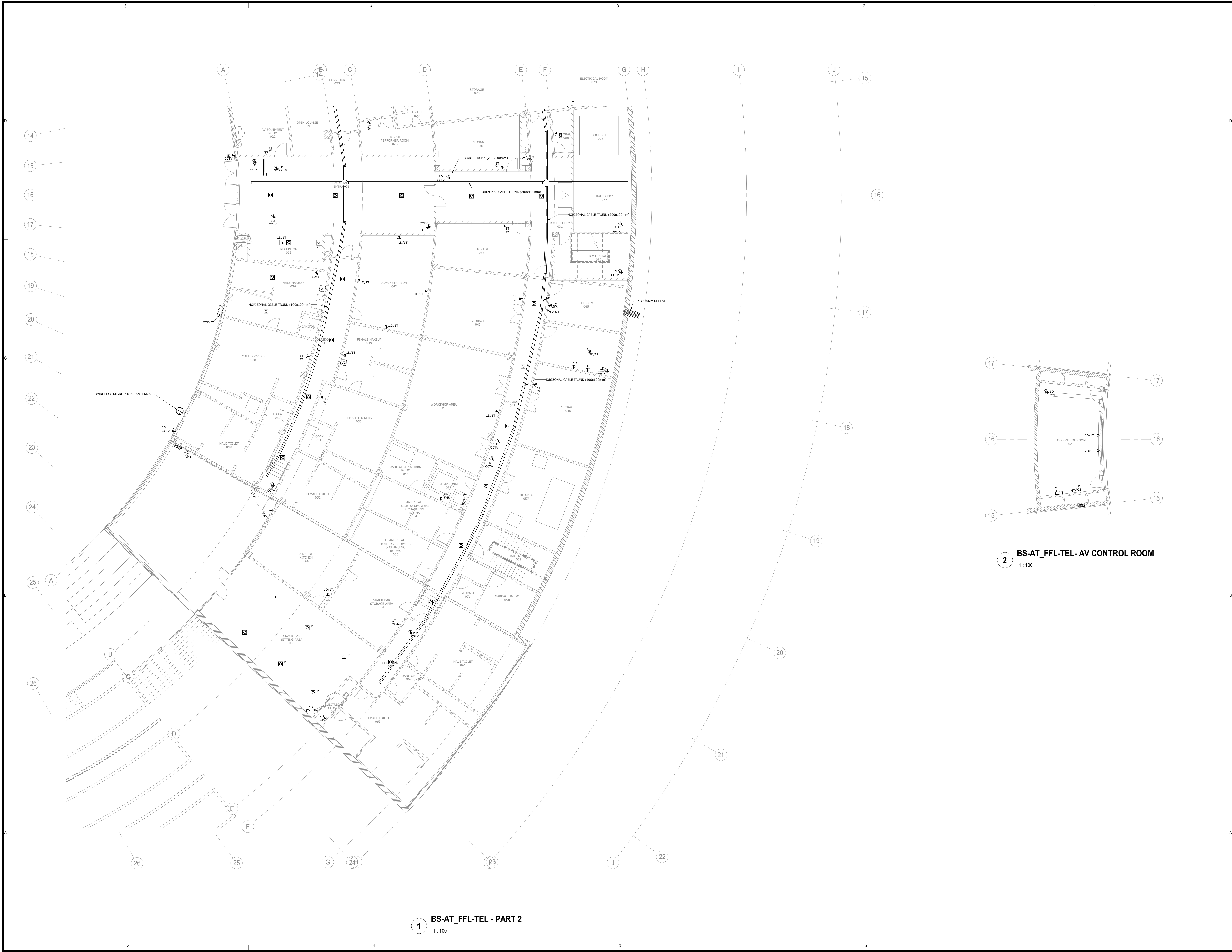
FOR CONSTRUCTION
MARCH 2021

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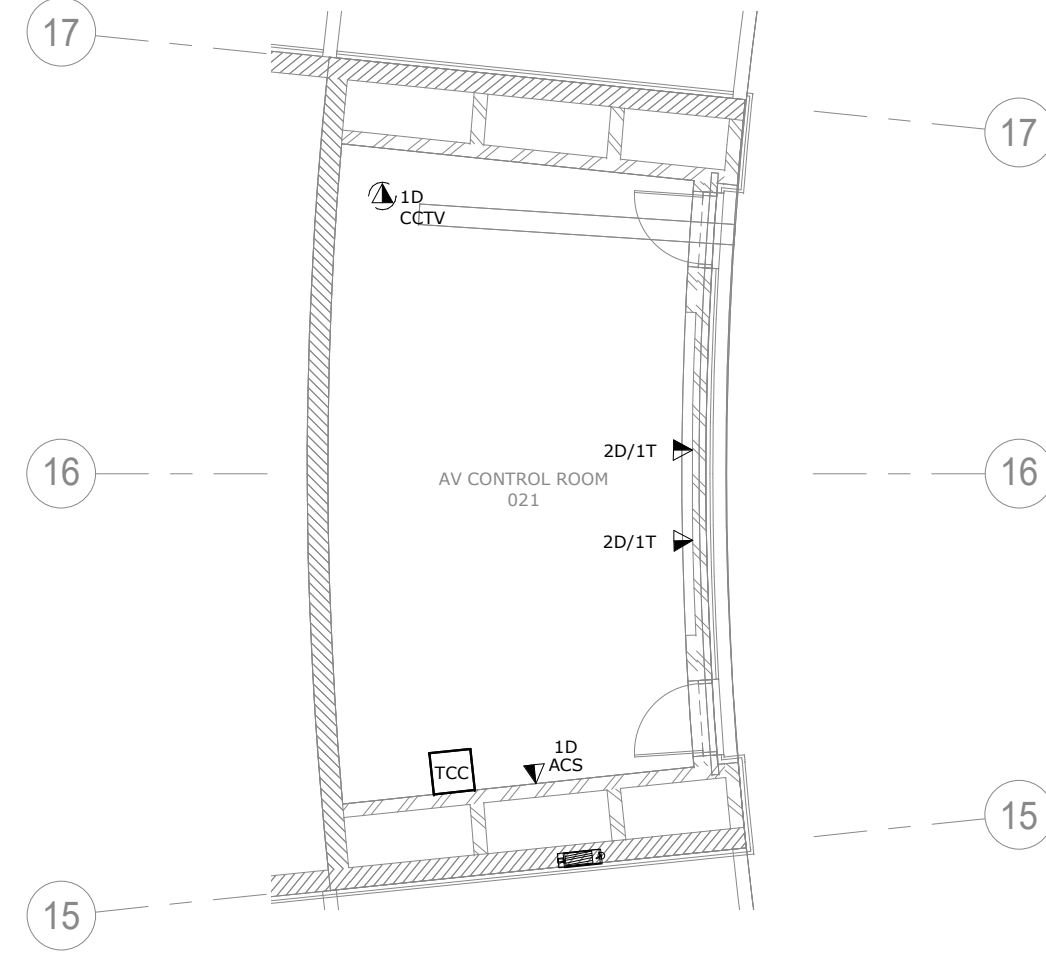
Drawing Title: PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT PARTIAL FLOOR PLAN 1/2
& GROUND FLOOR PARTIAL PLAN
TELECOMMUNICATIONS SYSTEMS
LAYOUT

Designed	Checked	Approved
W.A.	N.S.	M.K.
A.S.	09/03/2021	Scale 1:100

Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.
PE20851C	FD	AT00	TT	103	0



1 BS-AT_FFL-TEL - PART 2
1:100



2 BS-AT_FFL-TEL- AV CONTROL ROOM
1:100

Client:

الهيئة الهندسية للقوات المسلحة

Main Consultant:

Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:

Notes:

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FOR CONSTRUCTION
MARCH 2021

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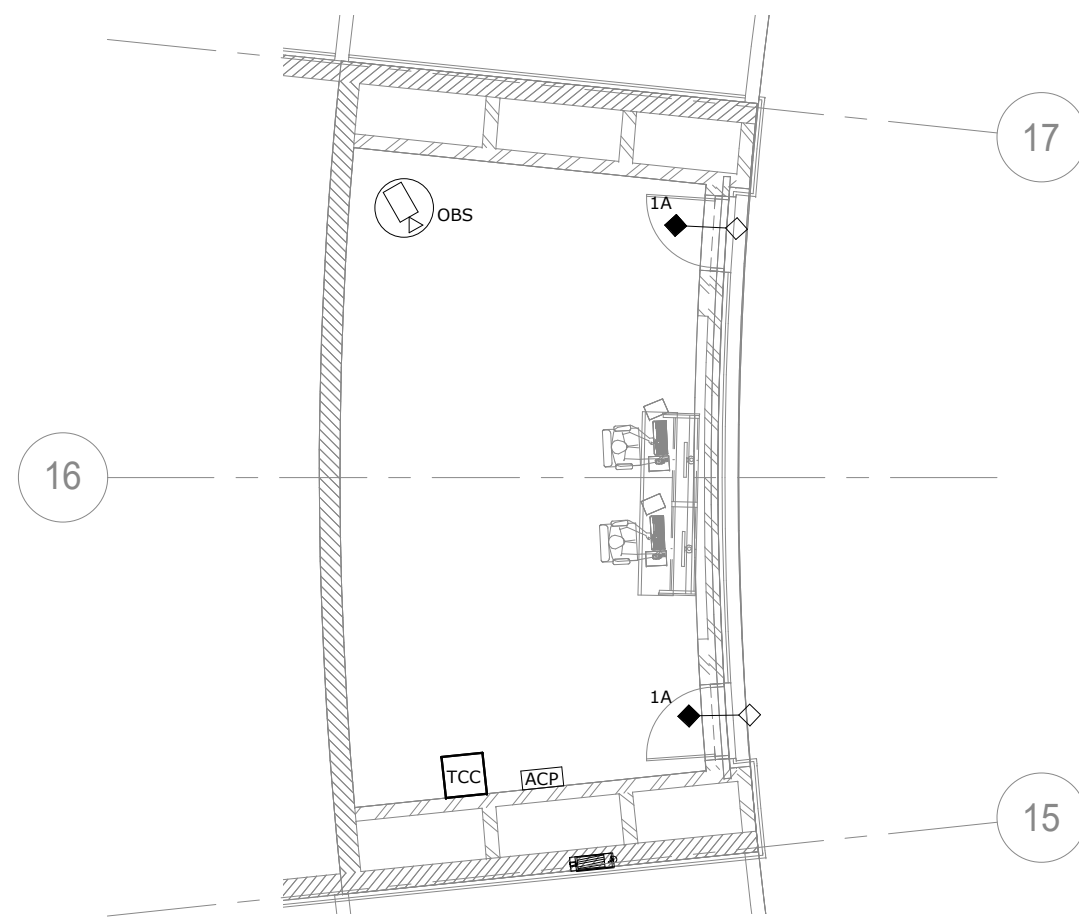
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PRESIDENTIAL PARK
- AMPHITHEATRE BUILDING -
BASEMENT PARTIAL FLOOR PLAN
2/2- TELECOMMUNICATIONS
SYSTEMS LAYOUT

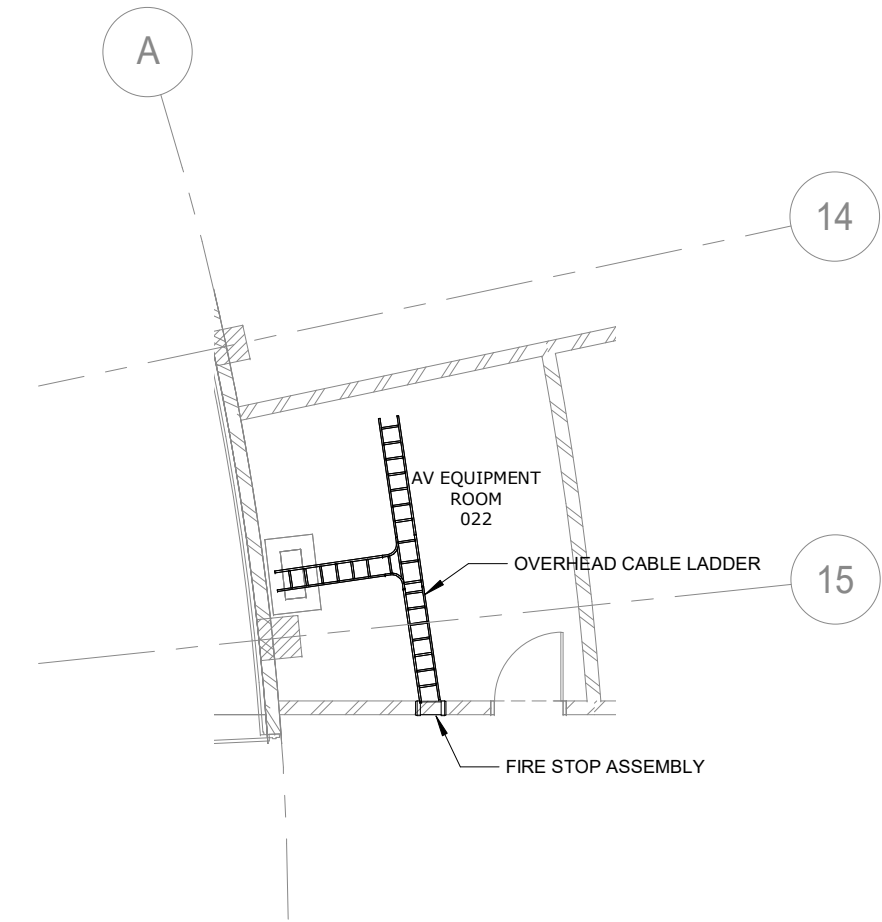
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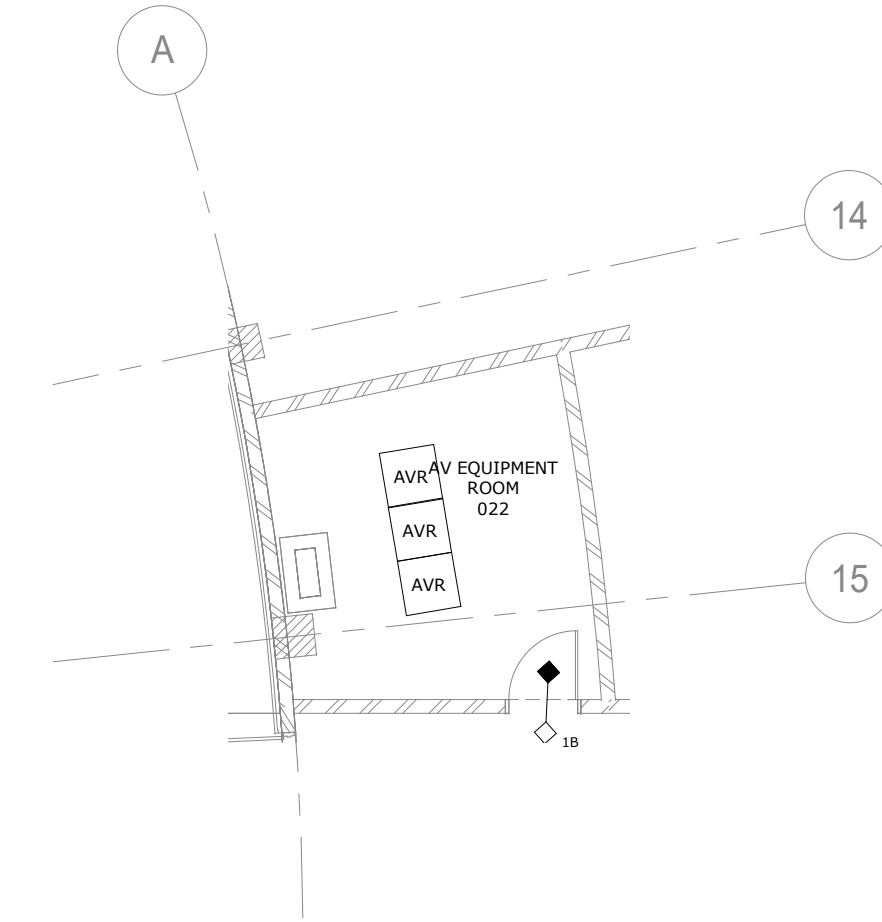
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Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.



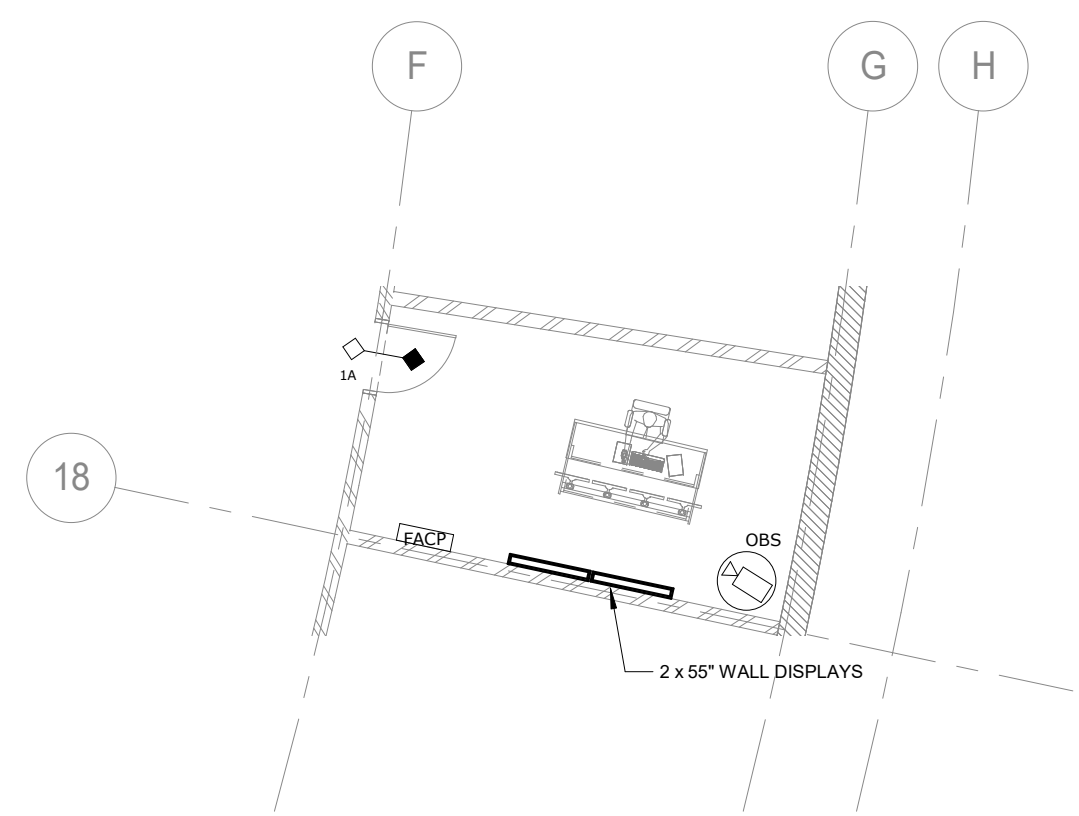
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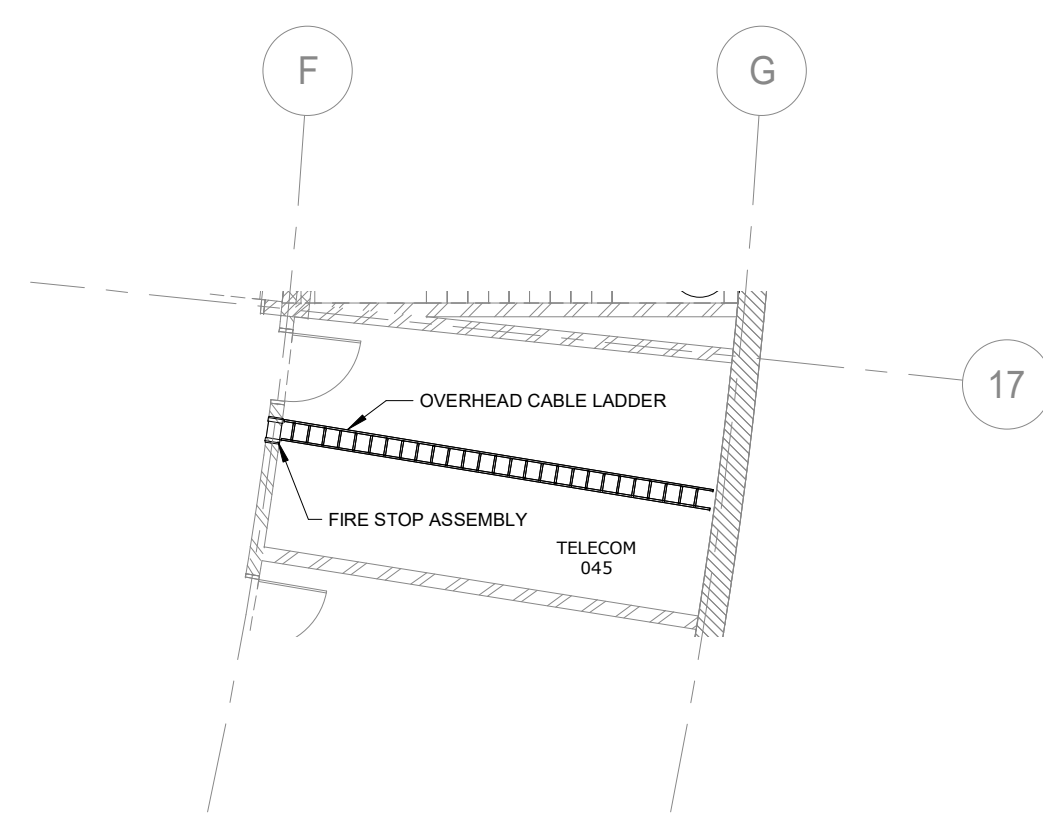
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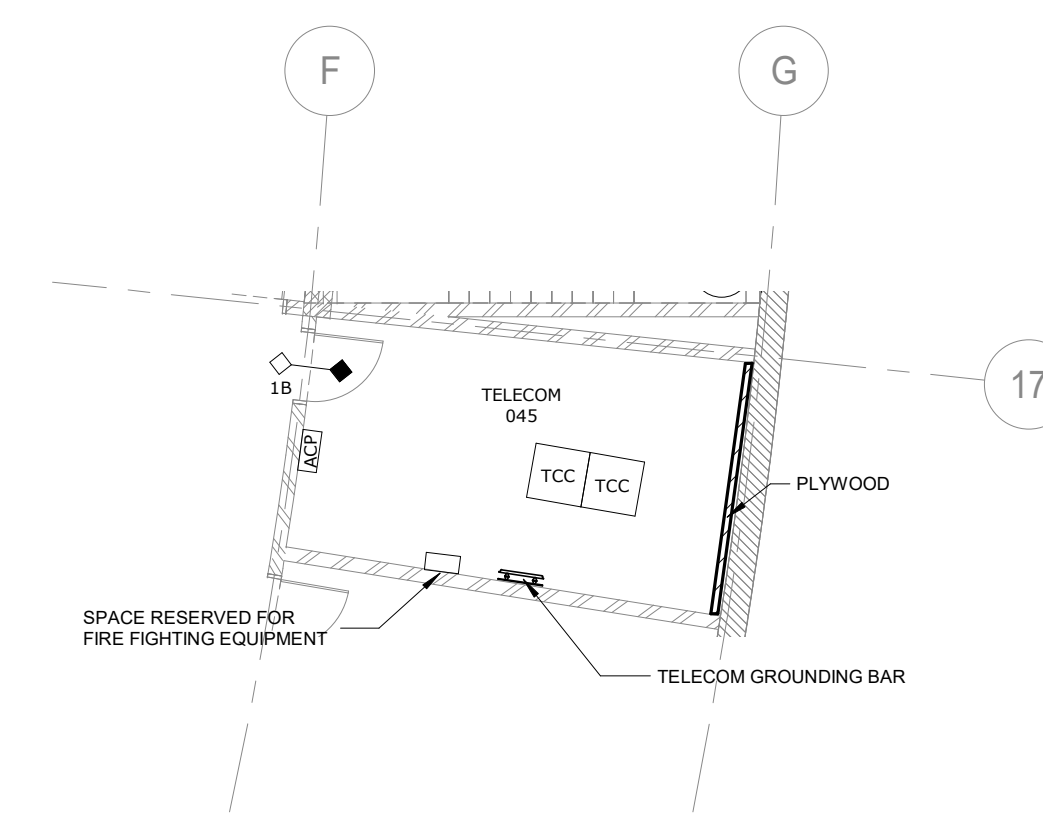
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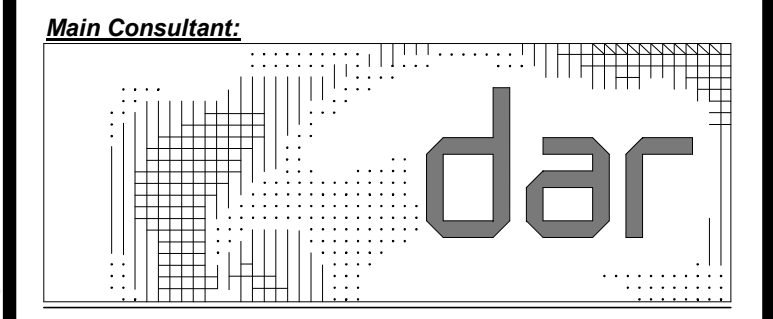
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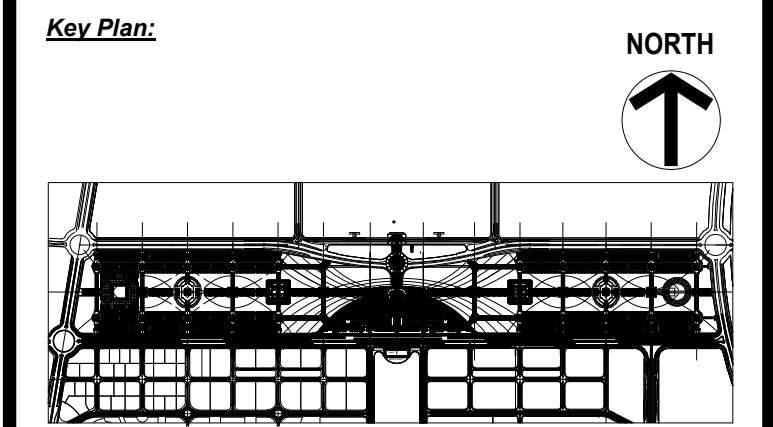
5 Telecom room -Ceiling Plan
1:100



6 Telecom room- Floor Plan
1:100



Project Name:
**Governmental District
The Presidential Park
Egypt Administrative Capital**



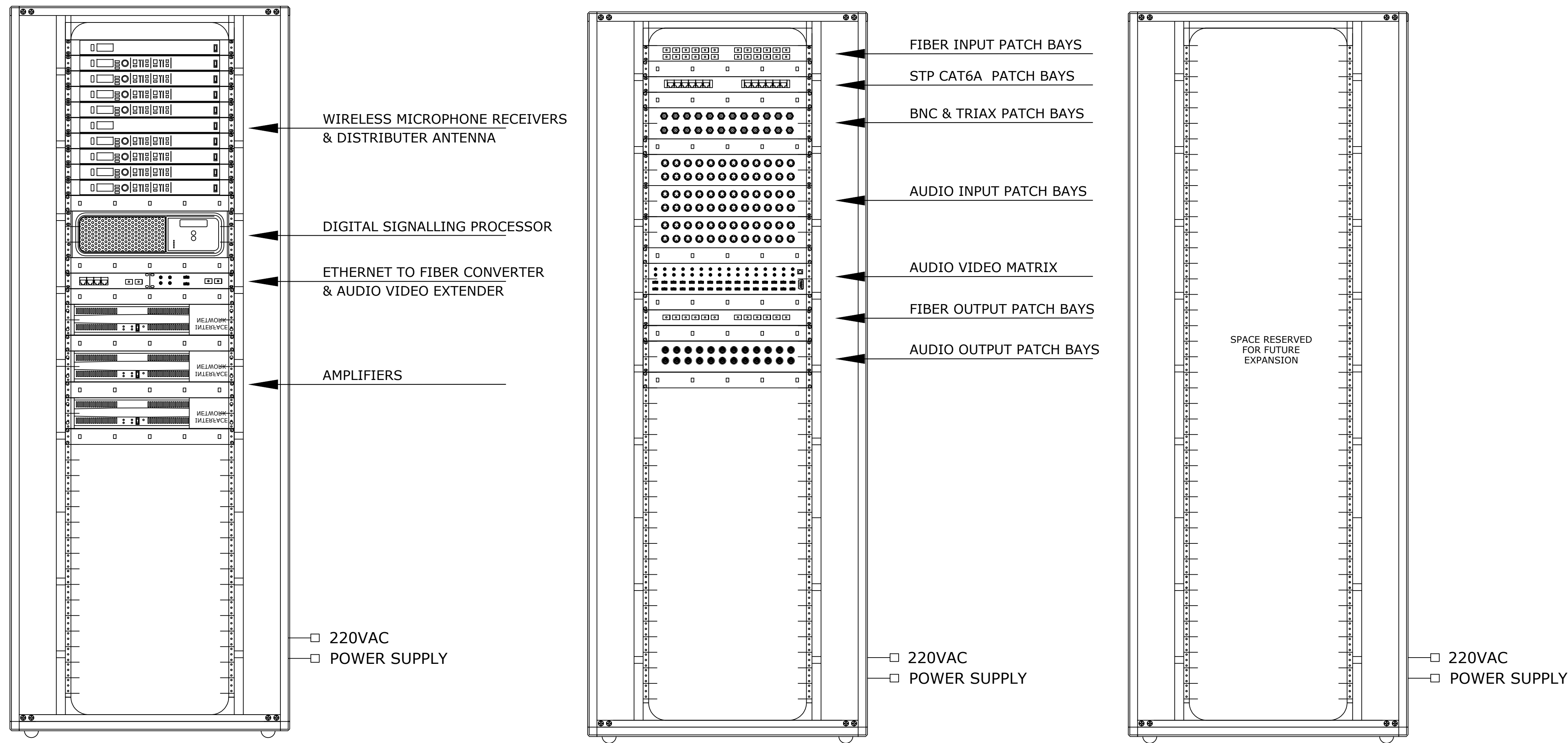
Notes:

FOR CONSTRUCTION
MARCH 2021

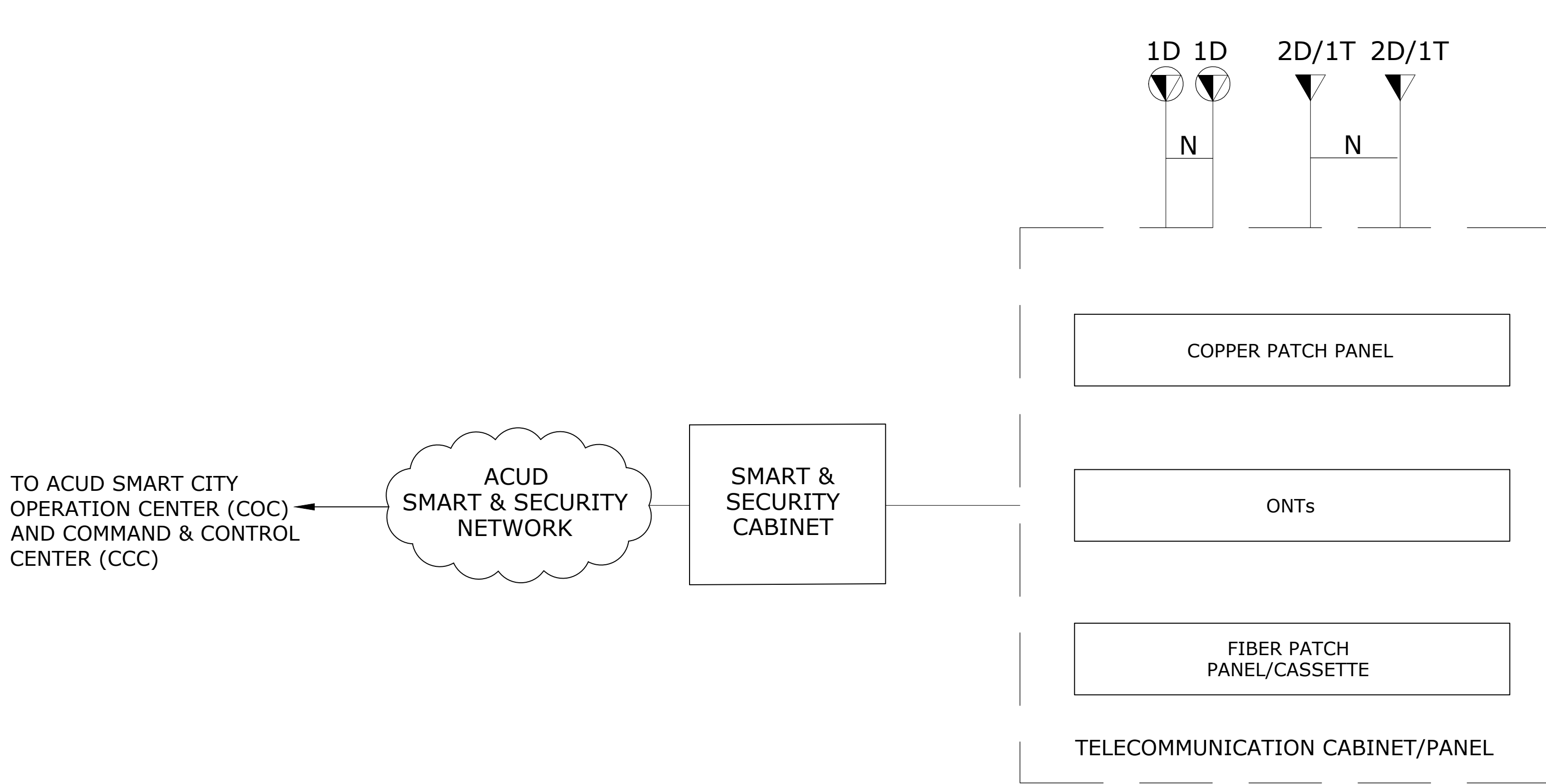
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No.	Description	Date	App.

Drawing Title:
**PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
TELECOM ROOMS ENLARGED
PLANS**

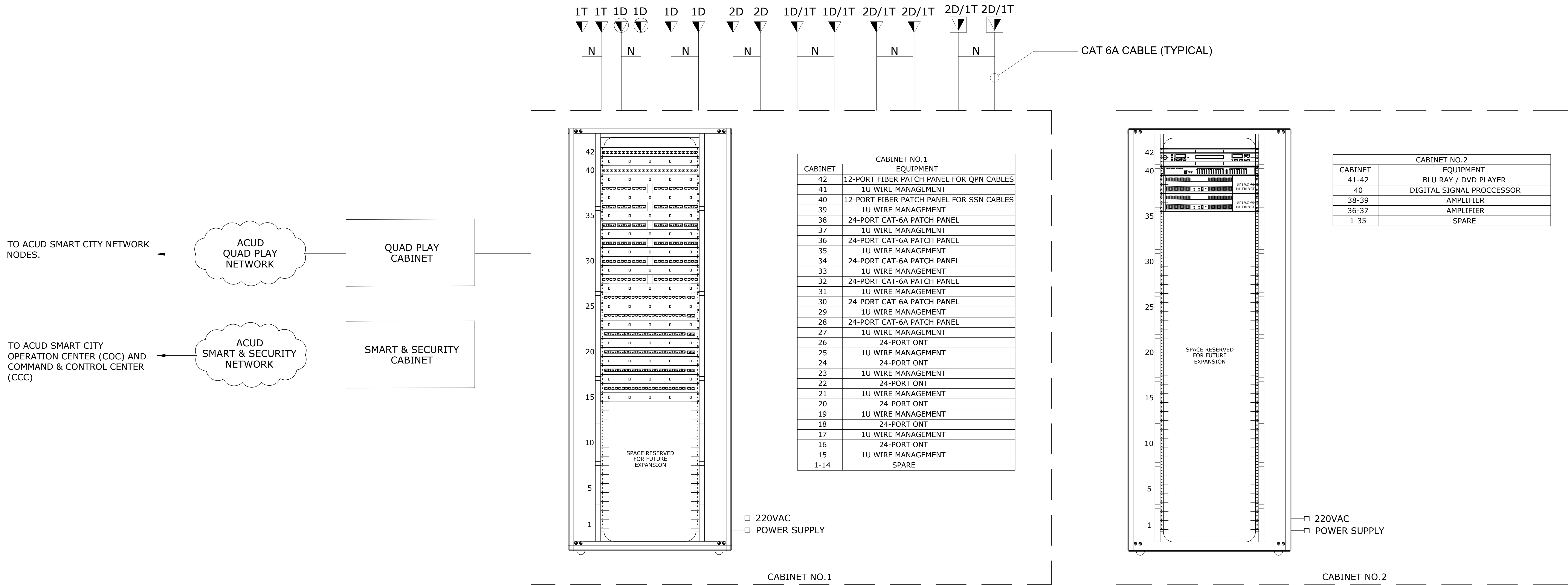
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Project No.	Phase	Project part
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AV EQUIPMENT ROOM RACKS ELEVATION



AV CONTROL ROOM RACKS ELEVATION

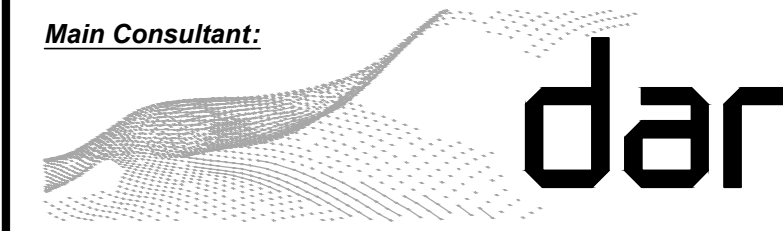


TELECOM ROOM RACKS ELEVATION

Client:



Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

FOR CONSTRUCTION

No.	Description	Date	App.
0	APPROVED ISSUE	09/03/2021	M.K.

Drawing Title:

PRESIDENTIAL PARK
AMPHITHEATRE BUILDING-
TELECOM RACKS ELEVATION DETAILS

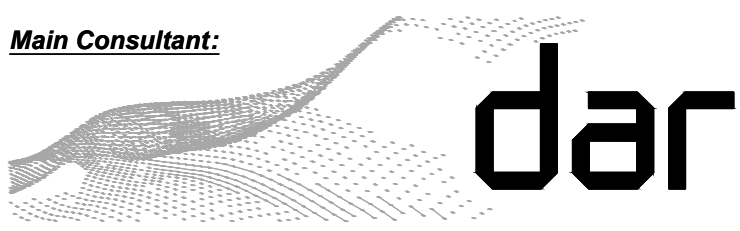
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Project No.	Phase code	Project part	Department Acronym	Sheet No.	Rev.

Client:

الهيئة الهندسية للقوات المسلحة

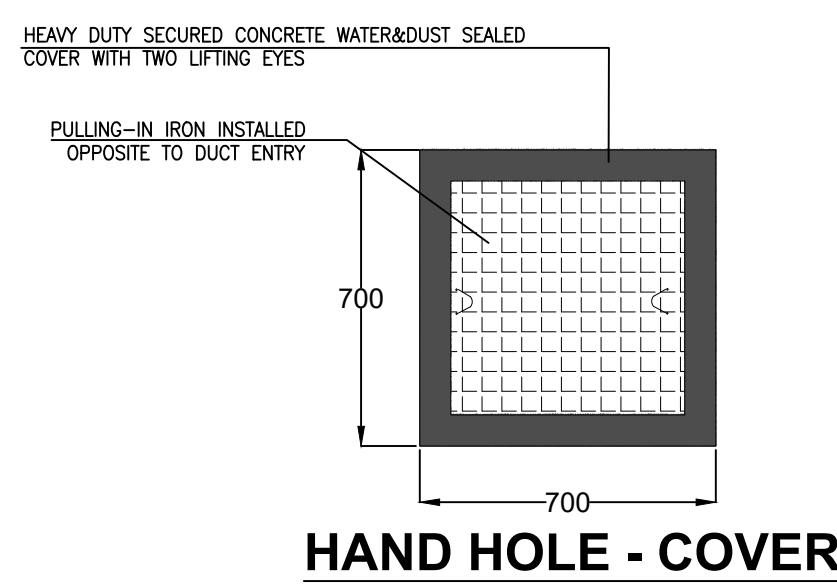
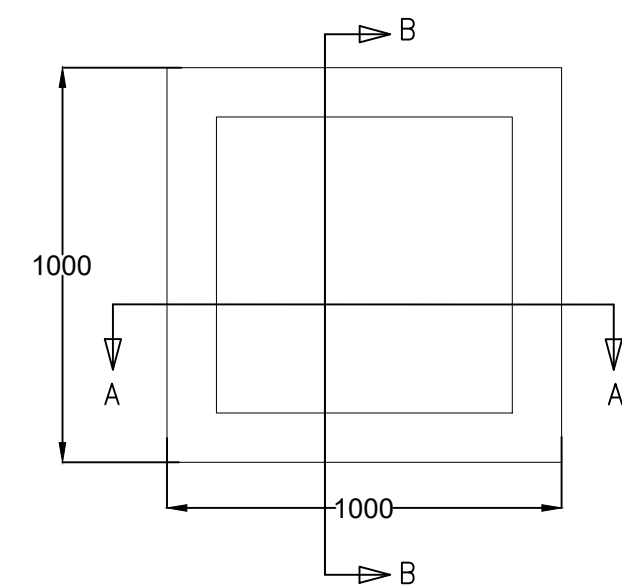


Main Consultant:

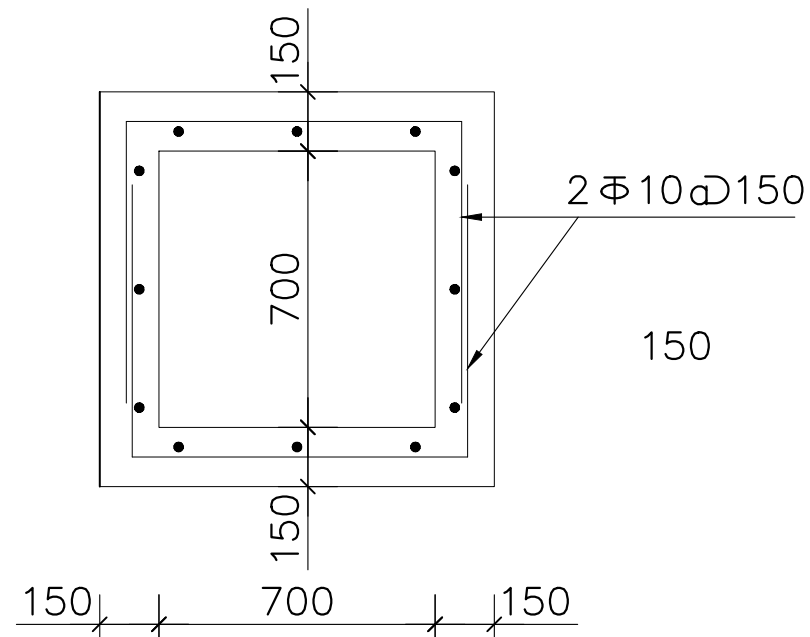


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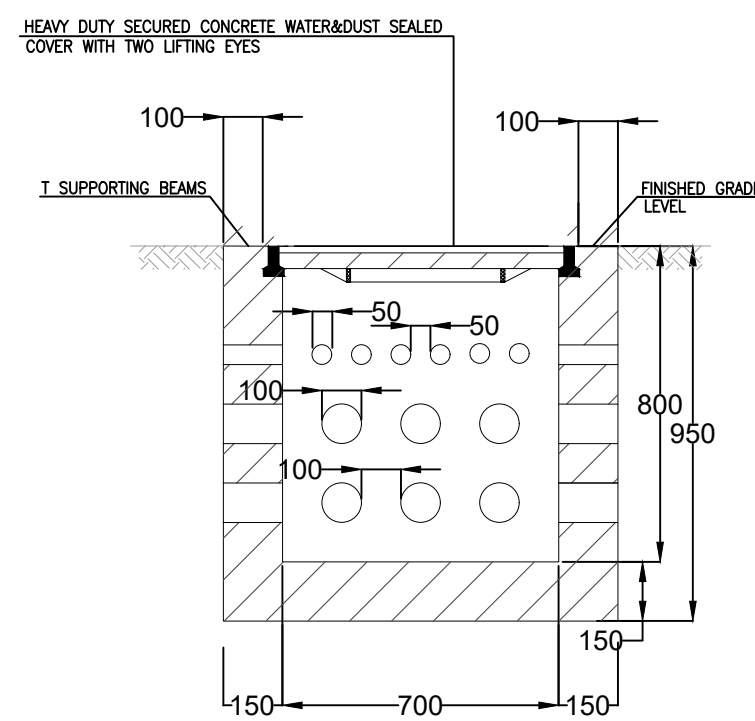
Governmental District
The Presidential Park
Egypt Administrative Capital



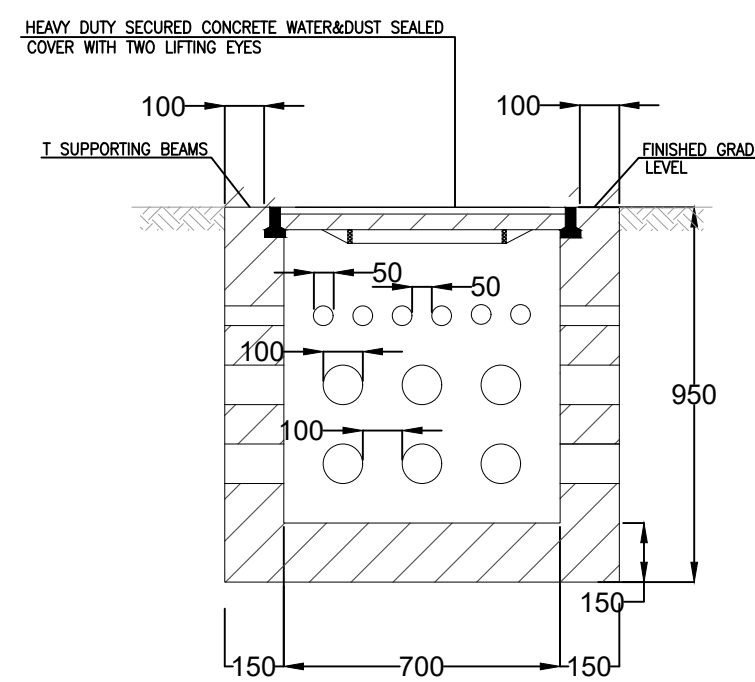
HAND HOLE - COVER



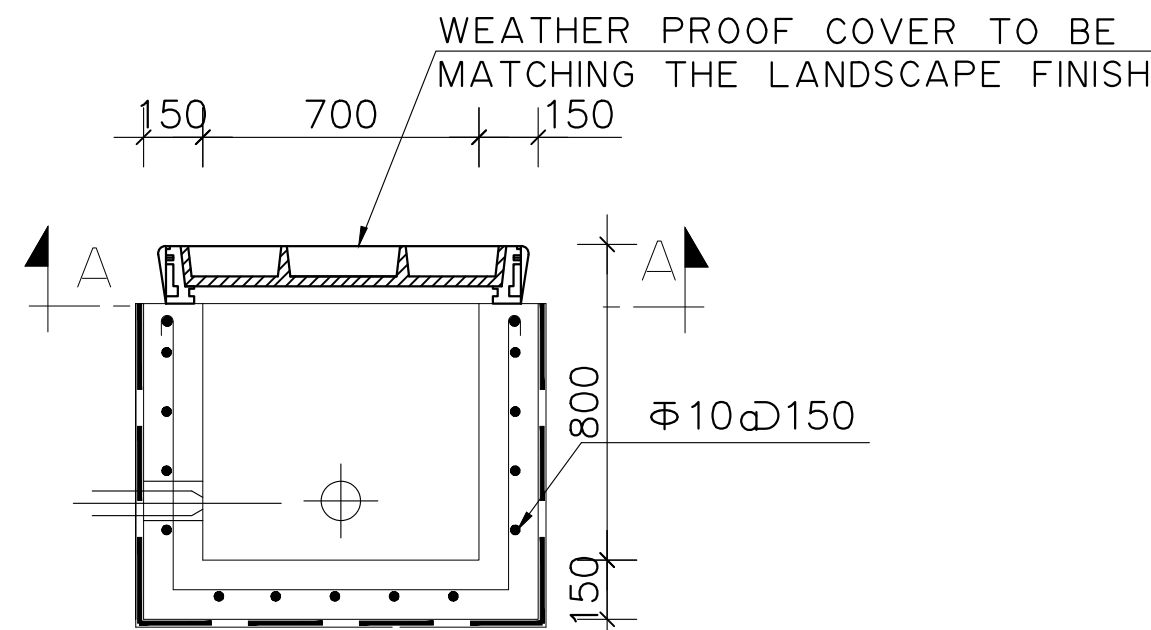
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SC. 1/25



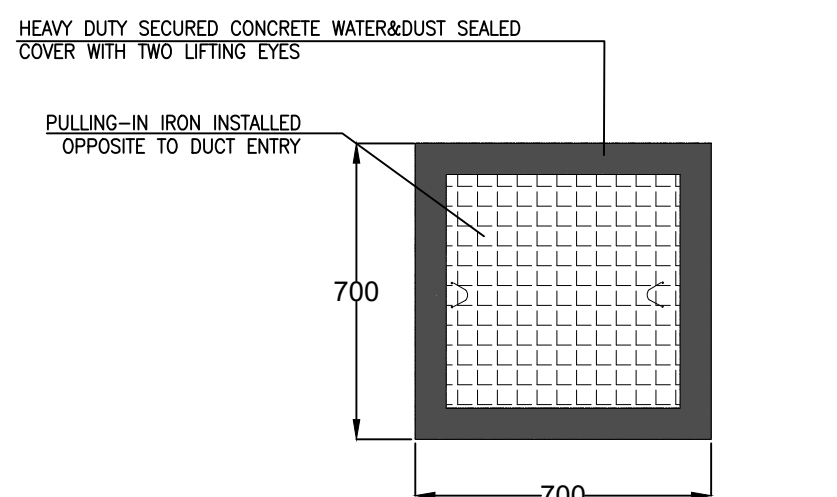
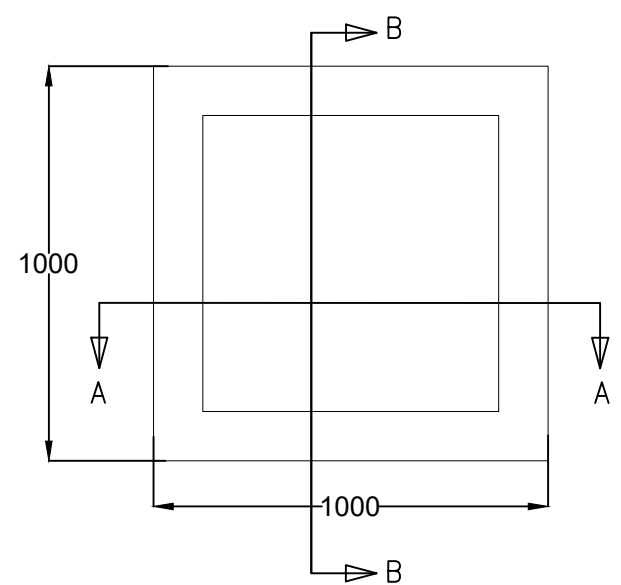
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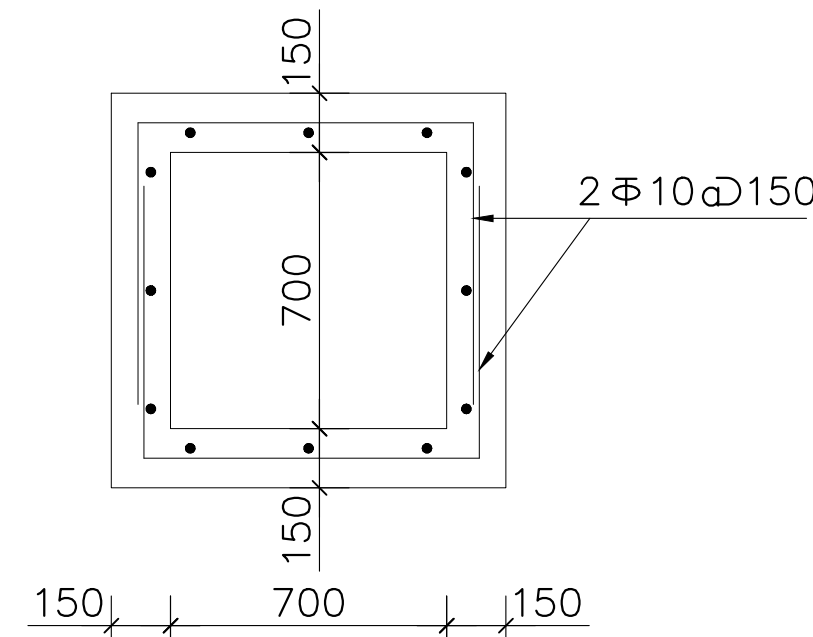
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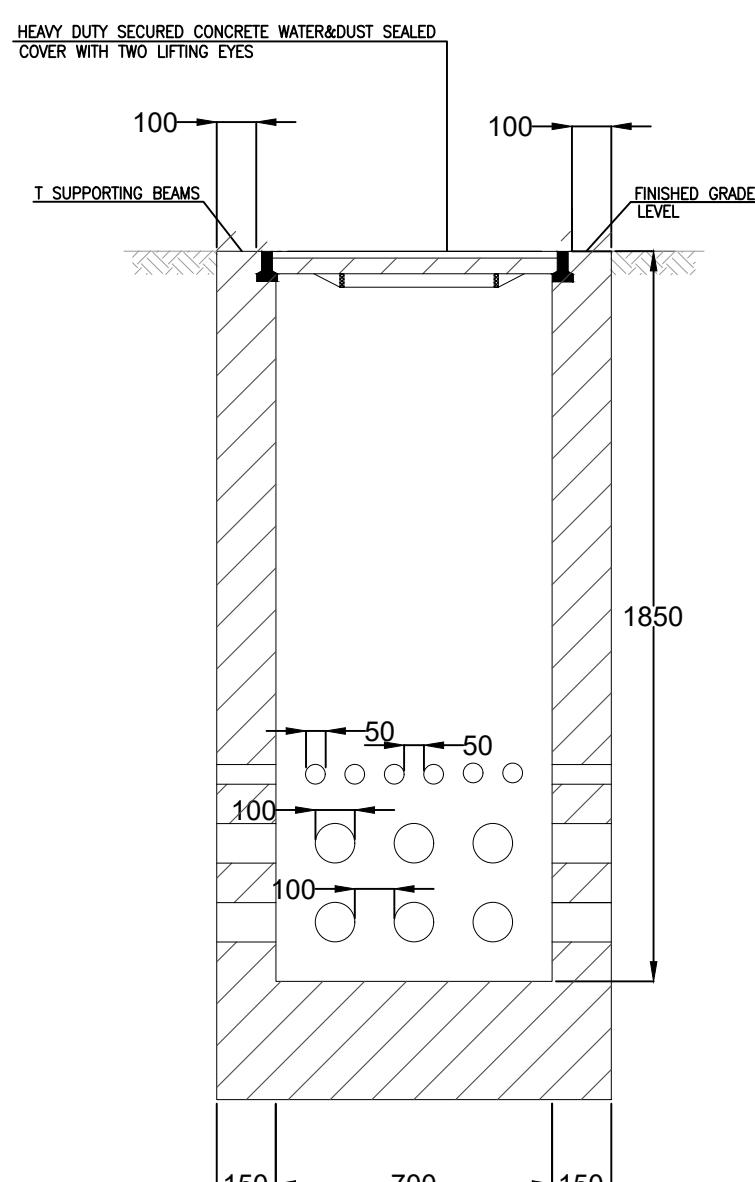
HANDHOLE TYPE A DETAILS



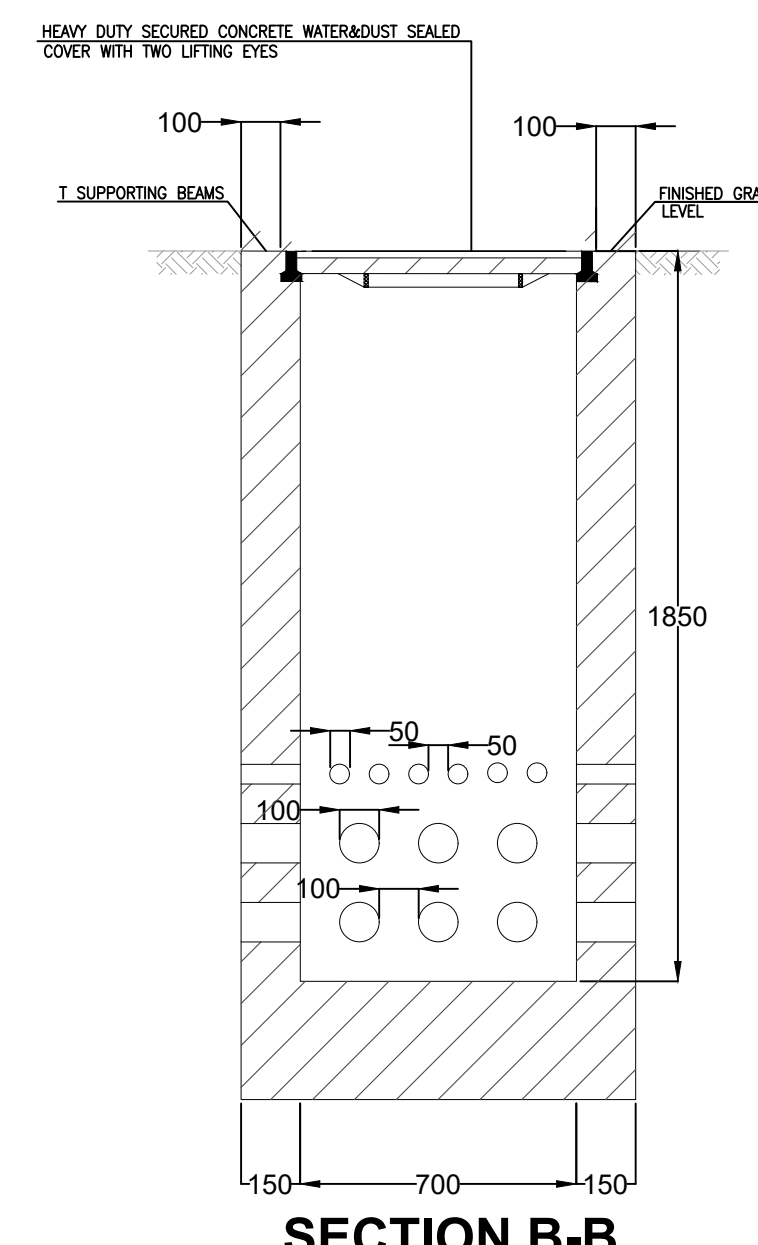
HAND HOLE - COVER



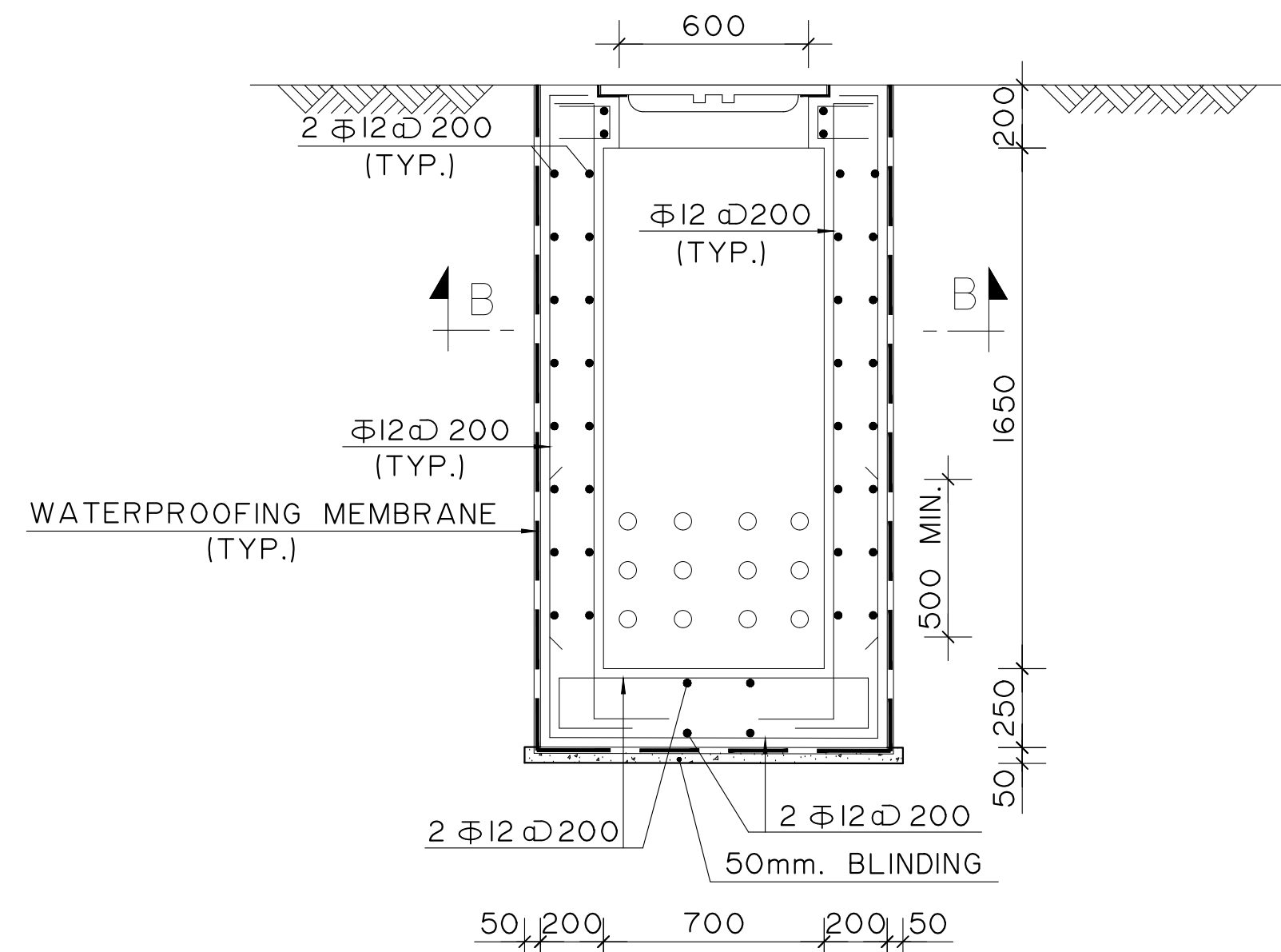
SECT. B-B
SC.1/25



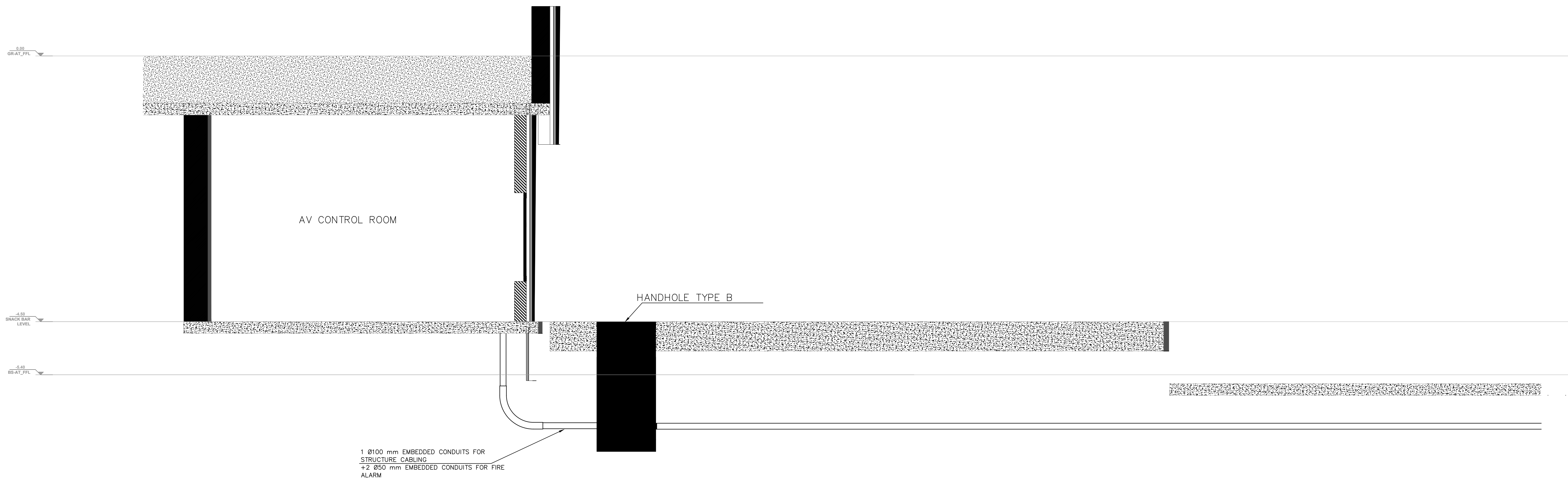
SECTION A-A



SECTION B-B



HANDHOLE TYPE B DETAILS



SECTION 1

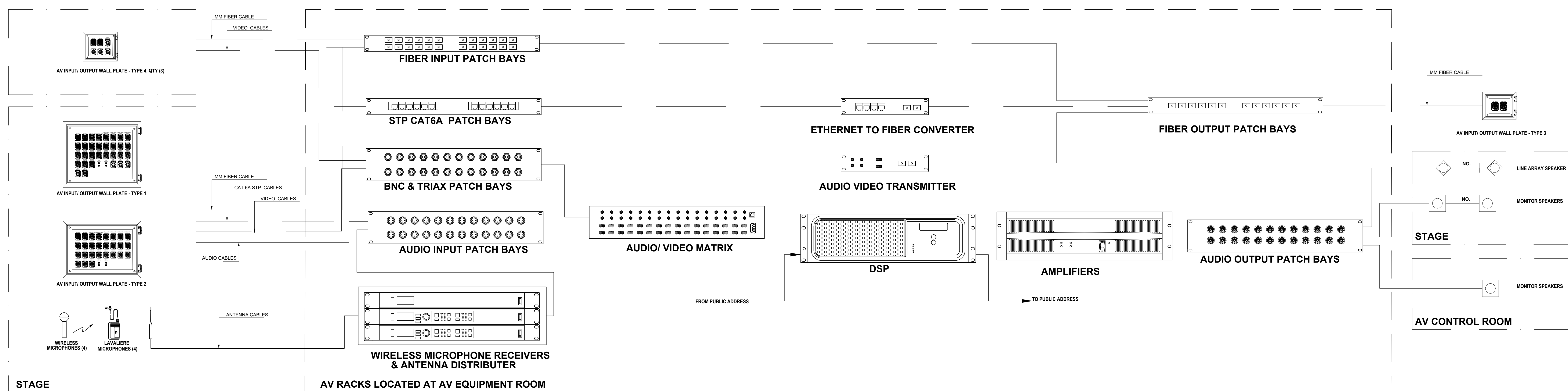
FOR CONSTRUCTION

No.	DESCRIPTION	DATE	APP.
0	APPROVED ISSUE	09/03/2021	M.K.

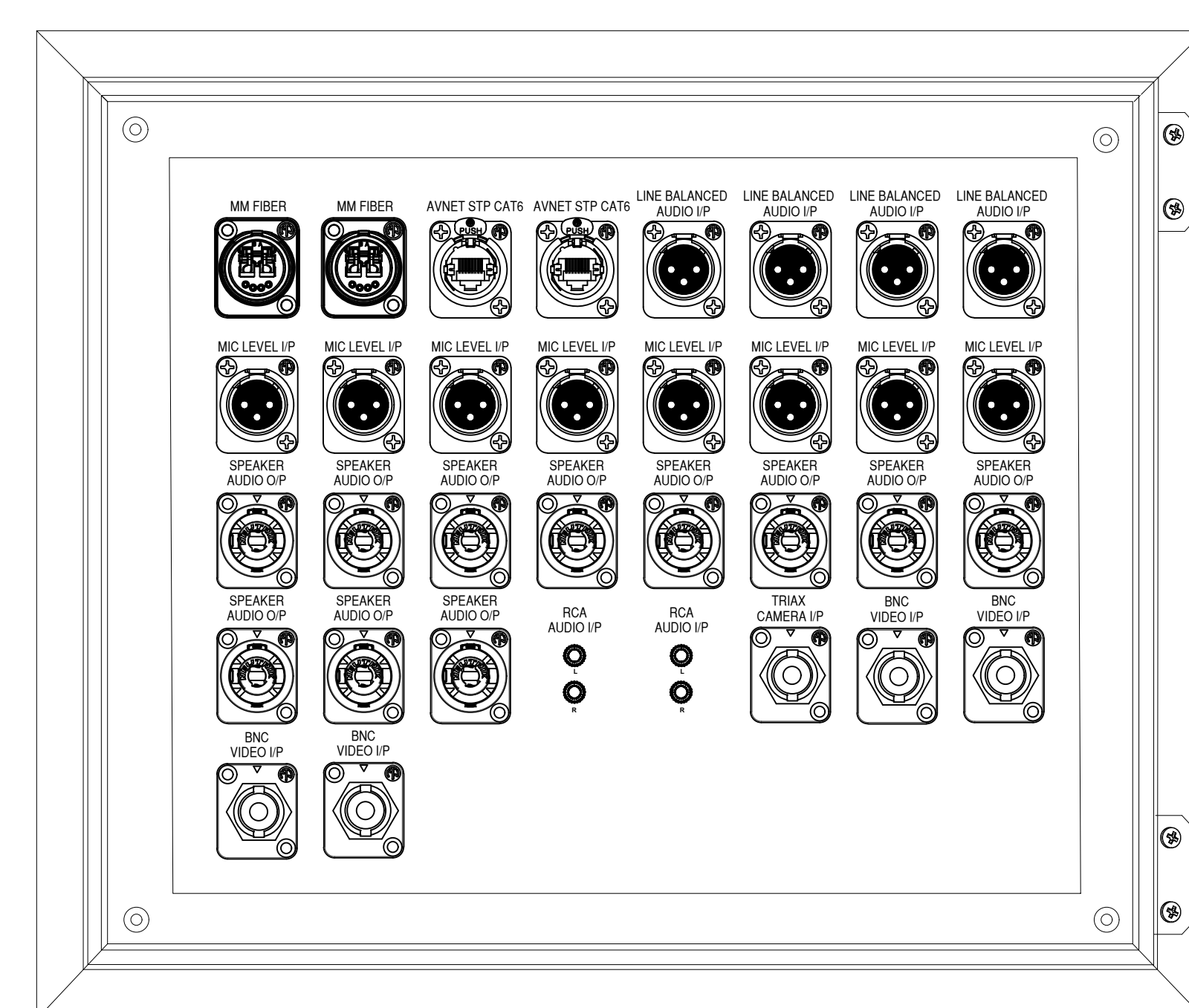
Drawing Title:

PRESIDENTIAL PARK
AMPHITHEATRE BUILDING-
HANDHOLE INSTALATION DETAILS

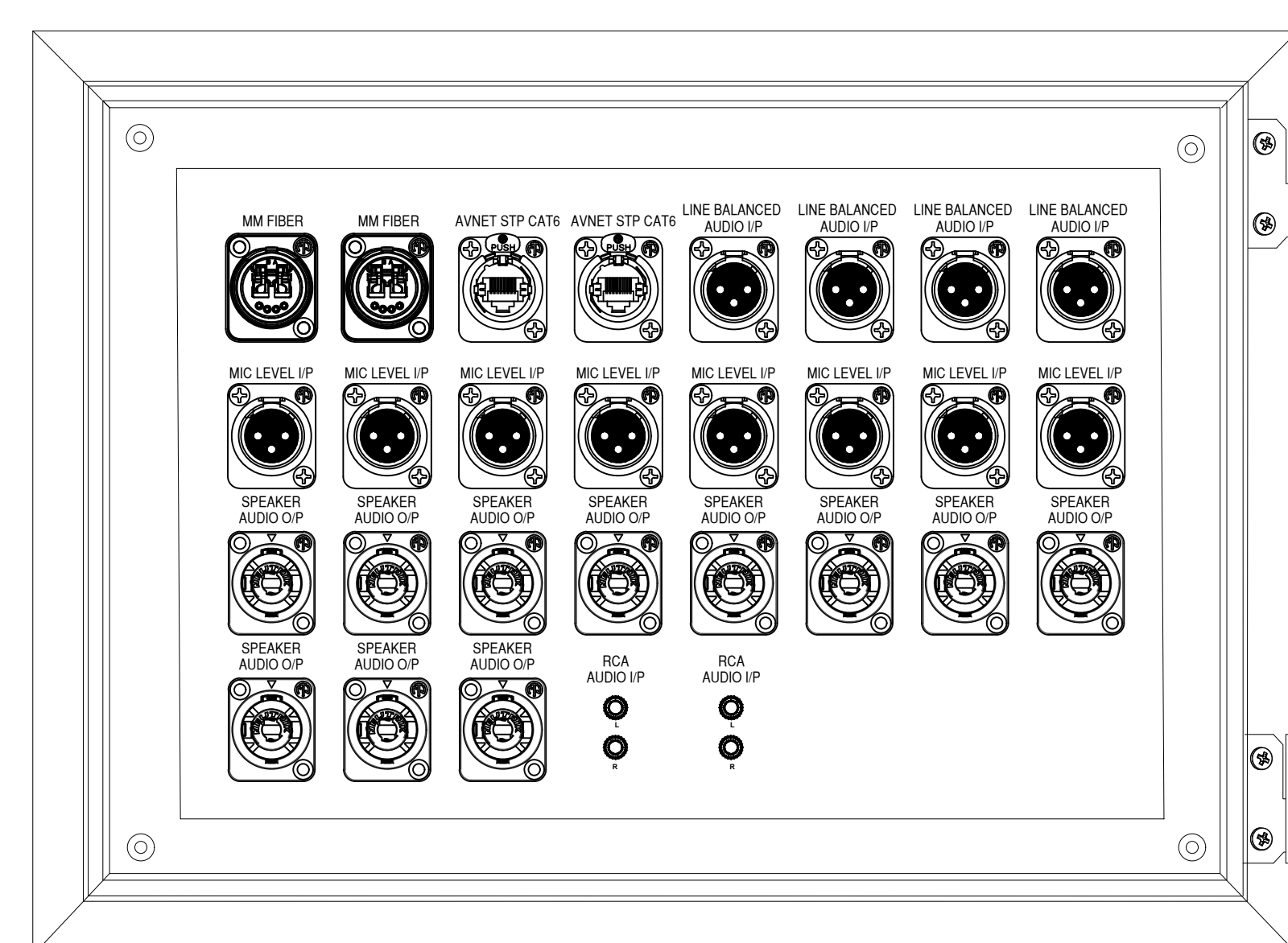
DESIGNED	W.A.	CHECKED	N.S.	APPROVED	M.K.
DRAWN	A.S.	DATE	09/03/2021	SCALE	NTS
PE20851C	FD	AT00	TT	503	0
Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.



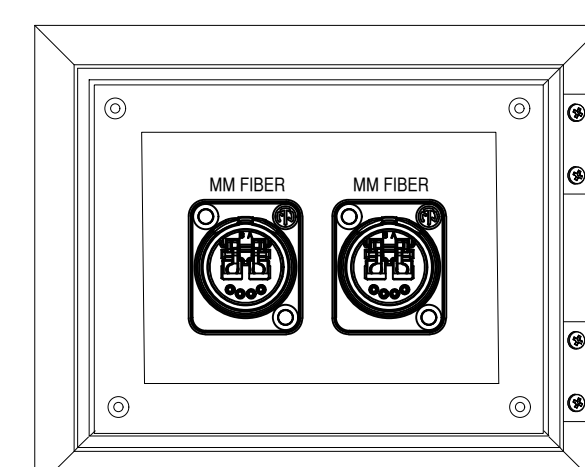
SOUND SYSTEM SCHEMATIC DIAGRAM



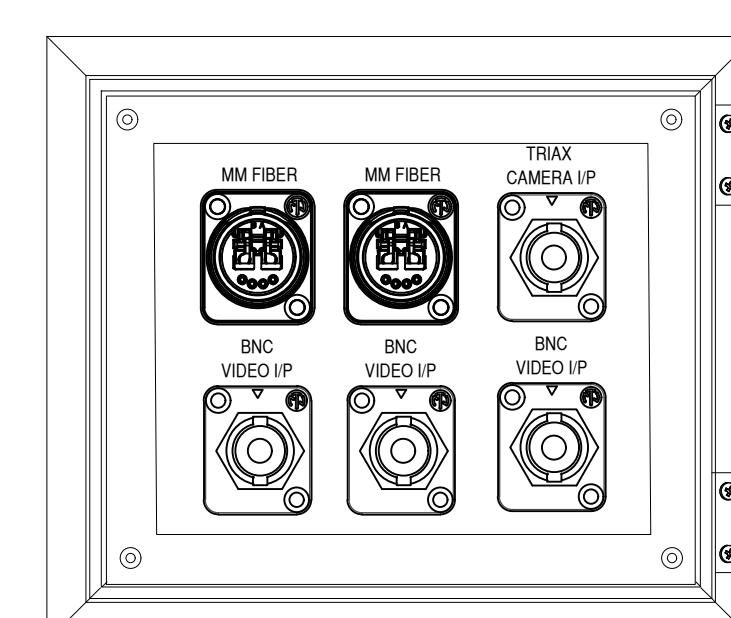
**OUTDOOR WEATHER PROOF
AV INPUT /OUTPUT WALL PLATE - TYPE 1**



**OUTDOOR WEATHER PROOF
AV INPUT /OUTPUT WALL PLATE - TYPE 2**



**OUTDOOR WEATHER PROOF
AV INPUT /OUTPUT WALL PLATE - TYPE 3**



**OUTDOOR WEATHER PROOF
AV INPUT /OUTPUT WALL PLATE - TYPE 4**

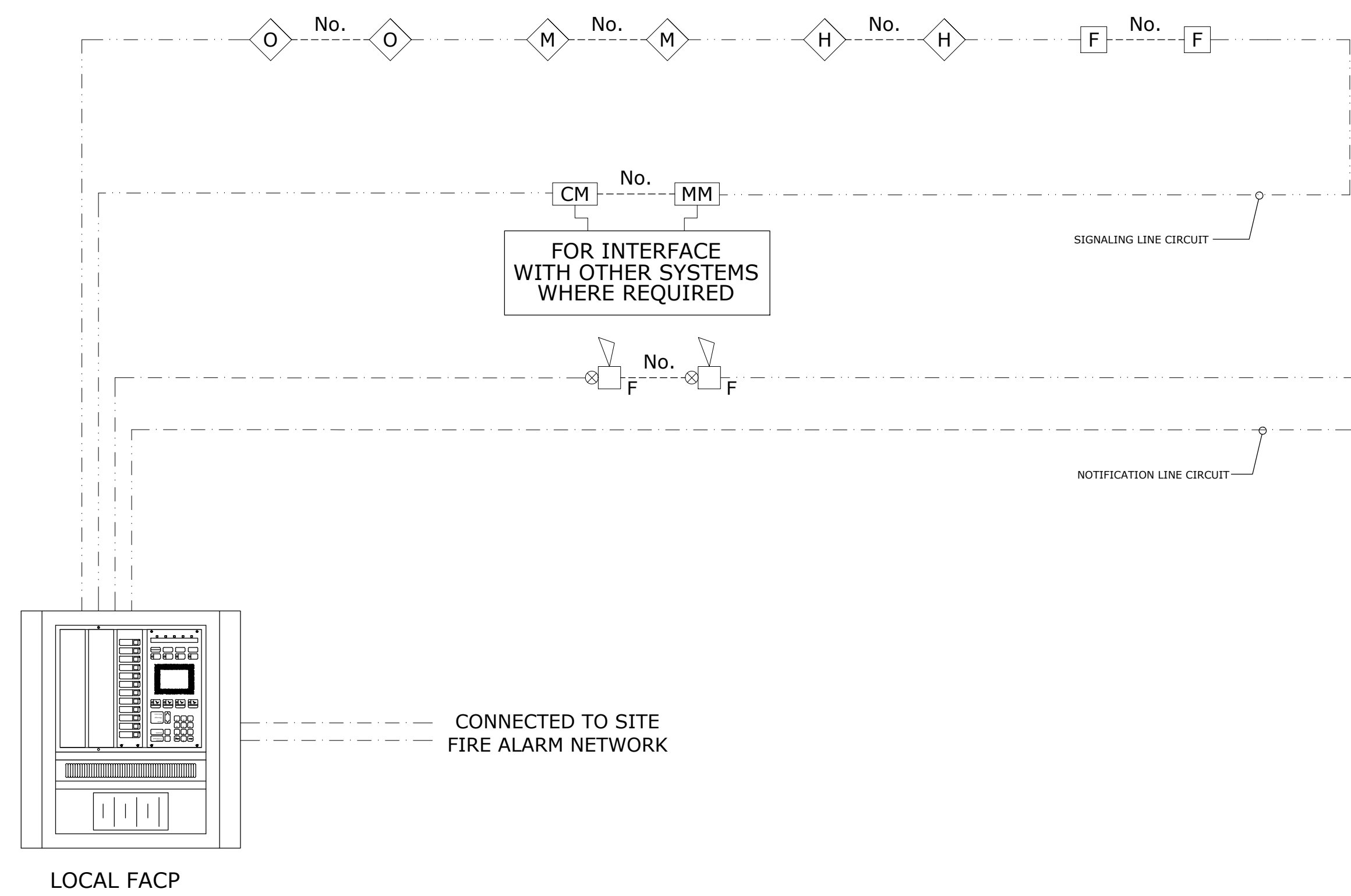
AV INPUT/ OUTPUT WALL PLATE DETAILS

0	APPROVED ISSUE	09/03/2021	M.K.
No.	Description	Date	Appr

Drawing Title:

PRESIDENTIAL PARK AMPHITHEATRE BUILDING- SOUND SYSTEM DETAILS

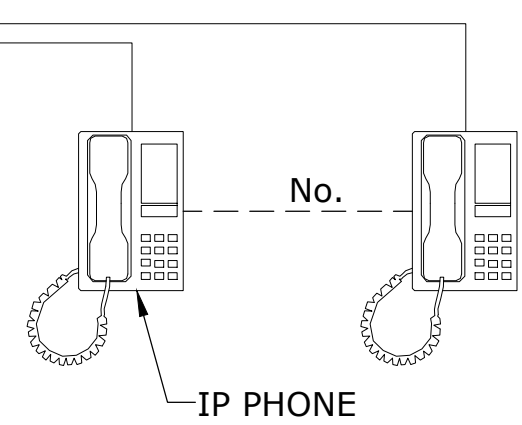
DESIGNED W.A.		CHECKED N.S.		APPROVED M.K.	
DRAWN A.S.		DATE 09/03/2021		SCALE NTS	
PE20851C	FD	AT00	TT	504	
Project No.	Phase code	Project part	Department Acronym	Sheet No.	R



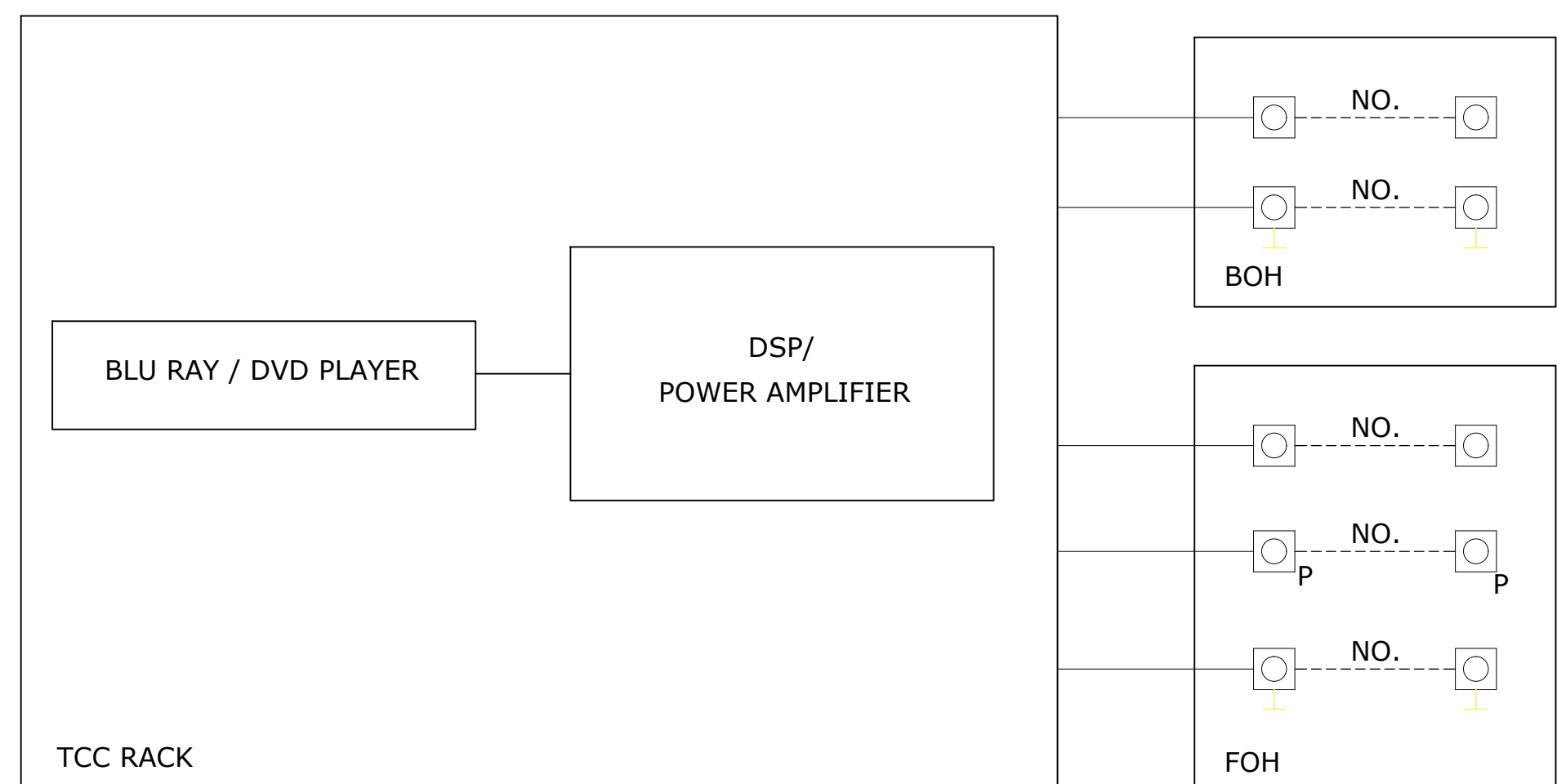
FIRE ALARM SCHEMATIC DIAGRAM

TO ACUD SMART CITY
OPERATION CENTER (COC) AND
COMMAND & CONTROL CENTER
(CCC)

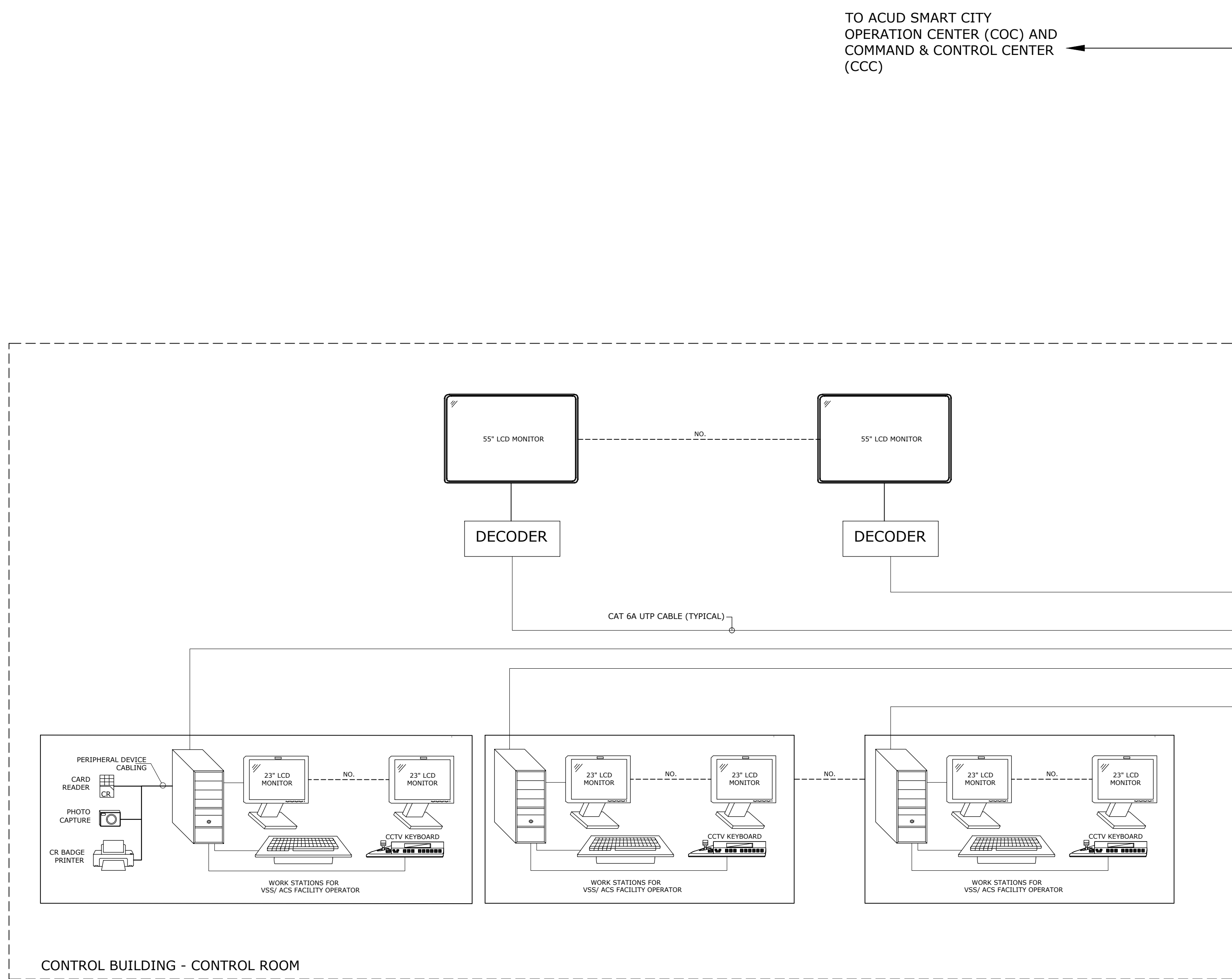
PRESIDENTIAL PARK SMART & SECURITY NETWORK



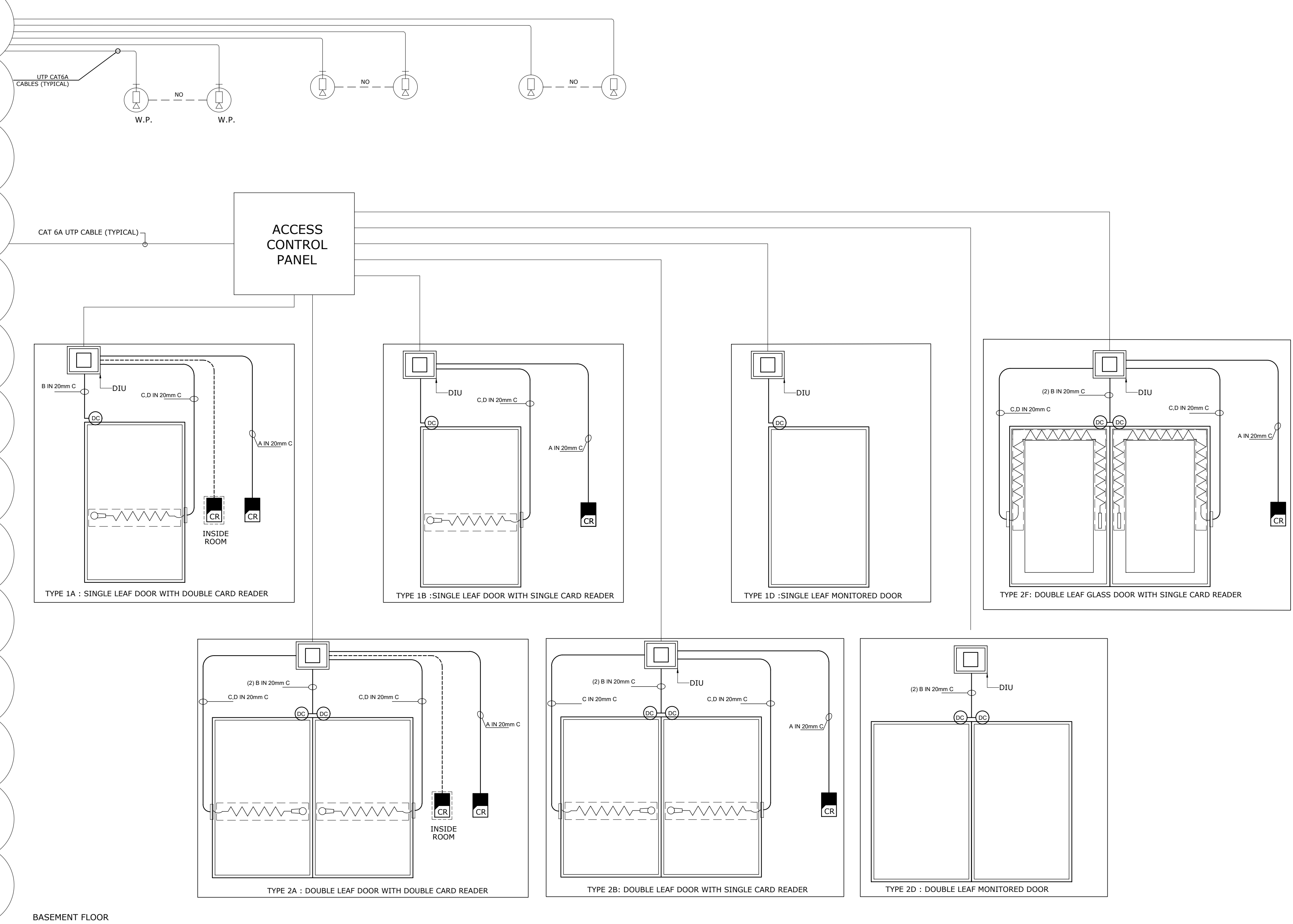
IP TELEPHONY SCHEMATIC DIAGRAM



PUBLIC ADDRESS SCHEMATIC DIAGRAM

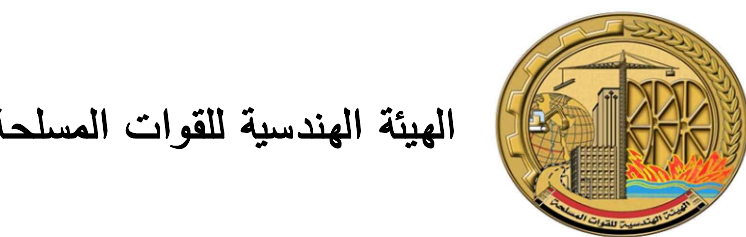


SECURITY SYSTEMS SCHEMATIC DIAGRAM

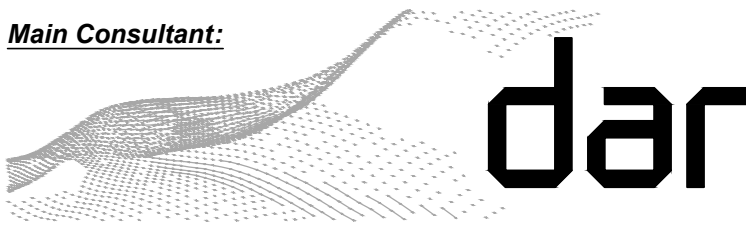


BASEMENT FLOOR

Client:



Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

NOTES:

- 1- FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-EP-SWD-TG-0001.
- 2- THE CONTRACTOR TO COORDINATE THE EXACT NUMBER AND LOCATION OF THE IN CONDUITS FOLLOWING INFRASTRUCTURE PACKAGE.
- 3- THE CONTRACTOR TO COORDINATE THE CONNECTIONS AND LOOPS OF FIRE ALARM SYSTEM FOLLOWING INFRASTRUCTURE PACKAGE.

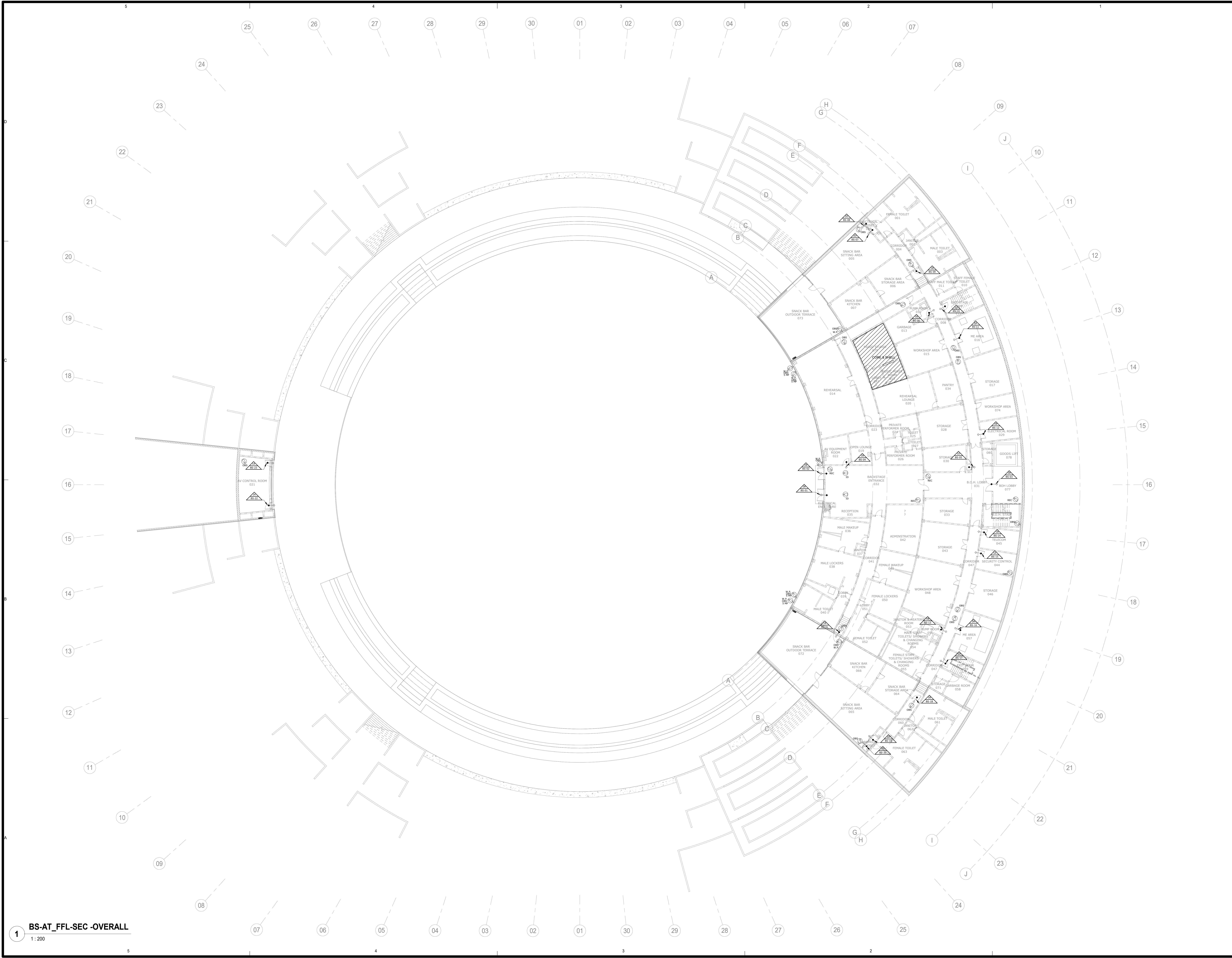
FOR CONSTRUCTION

No.	Description	Date	App.
0	APPROVED ISSUE	09/03/2021	M.K.


Drawing Title:

**PRESIDENTIAL PARK
AMPHITHEATRE
BUILDING-LOW CURRENT SYSTEMS
SCHEMATIC DIAGRAMS**

DESIGNED W.A.	CHECKED N.S.	APPROVED M.K.
DRAWN A.S.	DATE 09/03/2021	SCALE NTS
PE20851C	FD	AT00
Phase code	Project part	Department Acronym
Sheet No.	601	Rev. 0

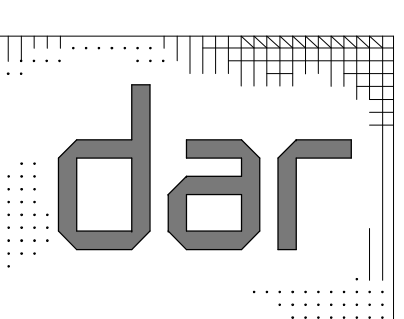


Client:



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Main Consultant:

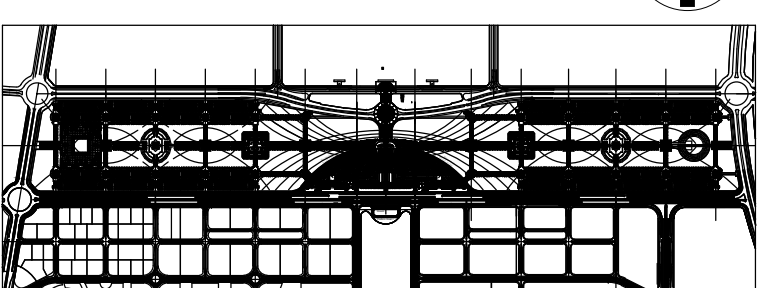


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Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:



NORTH

Notes:

- FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-FD-GEN-TX-001.
- FOR FIRE ALARM SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR IP TELEPHONY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR SECURITY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR STRUCTURED CABLING SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TT-002.
- FOR FIRE ALARM DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.
- FOR STRUCTURED CABLING DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.
- FOR ACCESS CONTROL DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.
- FOR VIDEO SURVEILLANCE DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-002.

FOR CONSTRUCTION
MARCH 2021

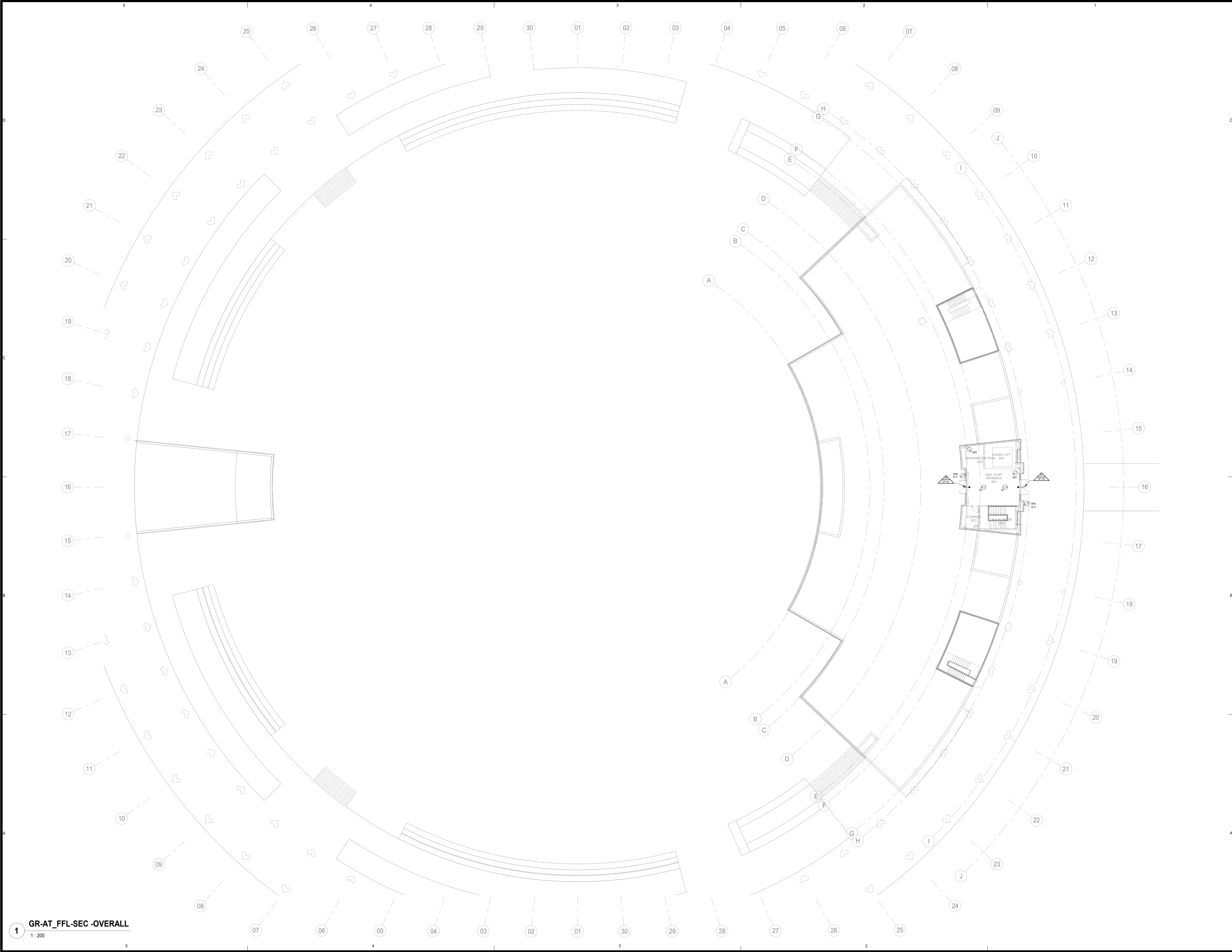
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Drawing Title:


PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT FLOOR OVERALL-
SECURITY SYSTEMS LAYOUT

Designed W.A.	Checked N.S.	Approved M.K.
A.S.	09/03/2021	1:200

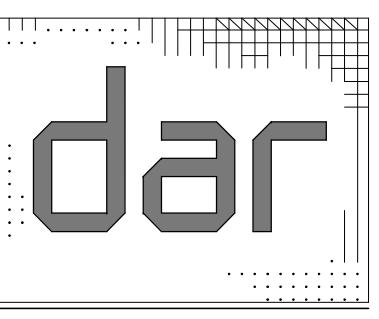
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Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.



Client:



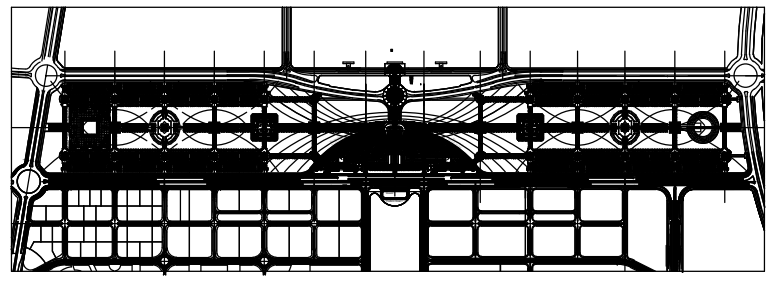
Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:



Notes:

- FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-FD-GEN-TX-001.
- FOR FIRE ALARM SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR IP TELEPHONY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR SECURITY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR STRUCTURED CABLING SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TY-002.
- FOR FIRE ALARM DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TF-001.
- FOR STRUCTURED CABLING DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.
- FOR ACCESS CONTROL DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TY-001.
- FOR VIDEO SURVEILLANCE DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TY-002.

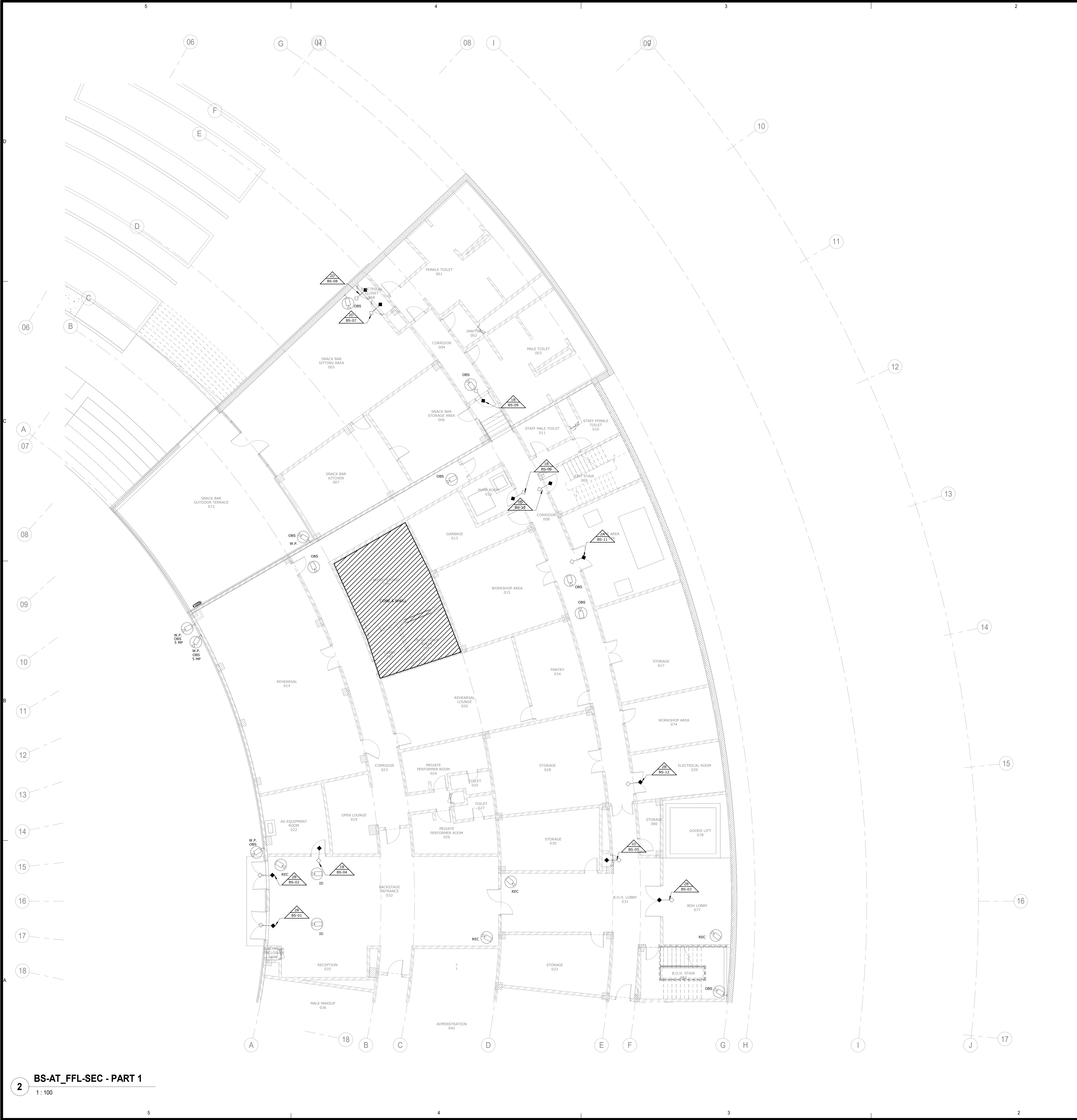
FOR CONSTRUCTION
MARCH 2021

No.	APPROVED ISSUE Description	09/03/2021 Date	M.K. App.
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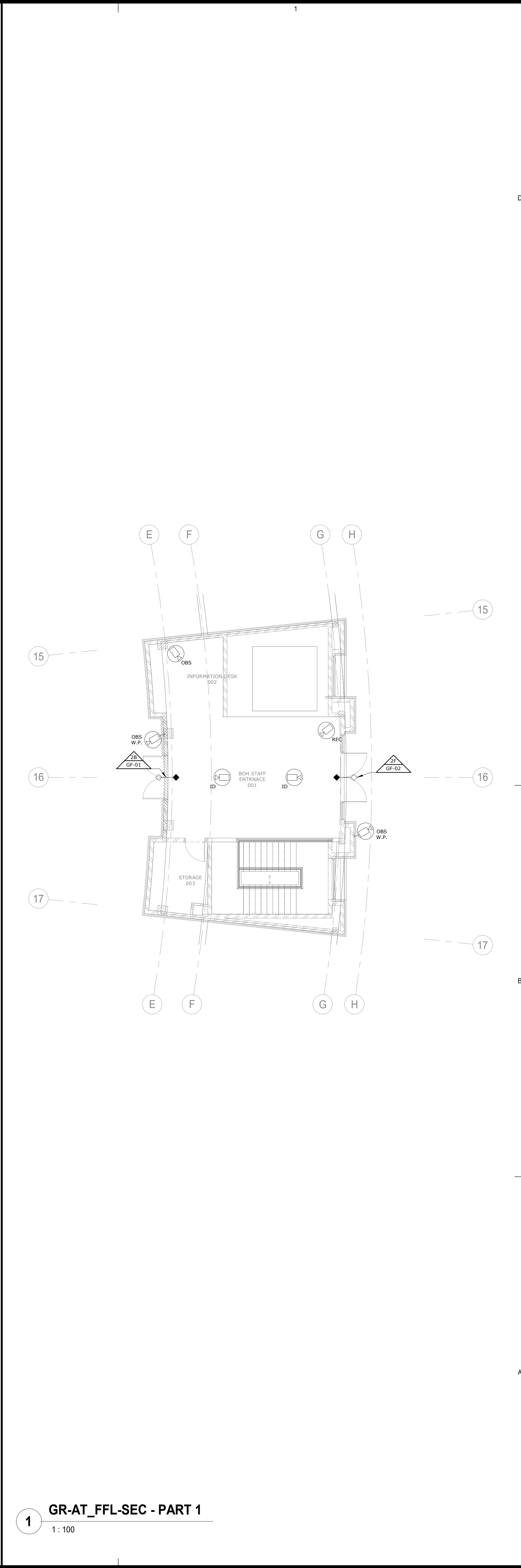
Drawing Title:

PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING- GROUND
OVERALL- SECURITY SYSTEMS
LAYOUT

Designed W.A.	Checked N.S.	Approved M.K.
Drawn A.S.	Date 09/03/2021	Scale 1: 200
PE20851C	FD	AT00
Project No.	Phase	Project part (Department Acronym)
		Sheet No.
		Rev.



2 BS-AT_FFL-SEC - PART 1
1:100



1 GR-AT_FFL-SEC - PART 1
1:100

Client:
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Main Consultant:
dar

Project Name:
Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:
NORTH

Notes:

- FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-FD-GEN-TD-001.
- FOR FIRE ALARM SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR IP TELEPHONY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
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- FOR ACCESS CONTROL DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.
- FOR VIDEO SURVEILLANCE DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-002.

FOR CONSTRUCTION
MARCH 2021

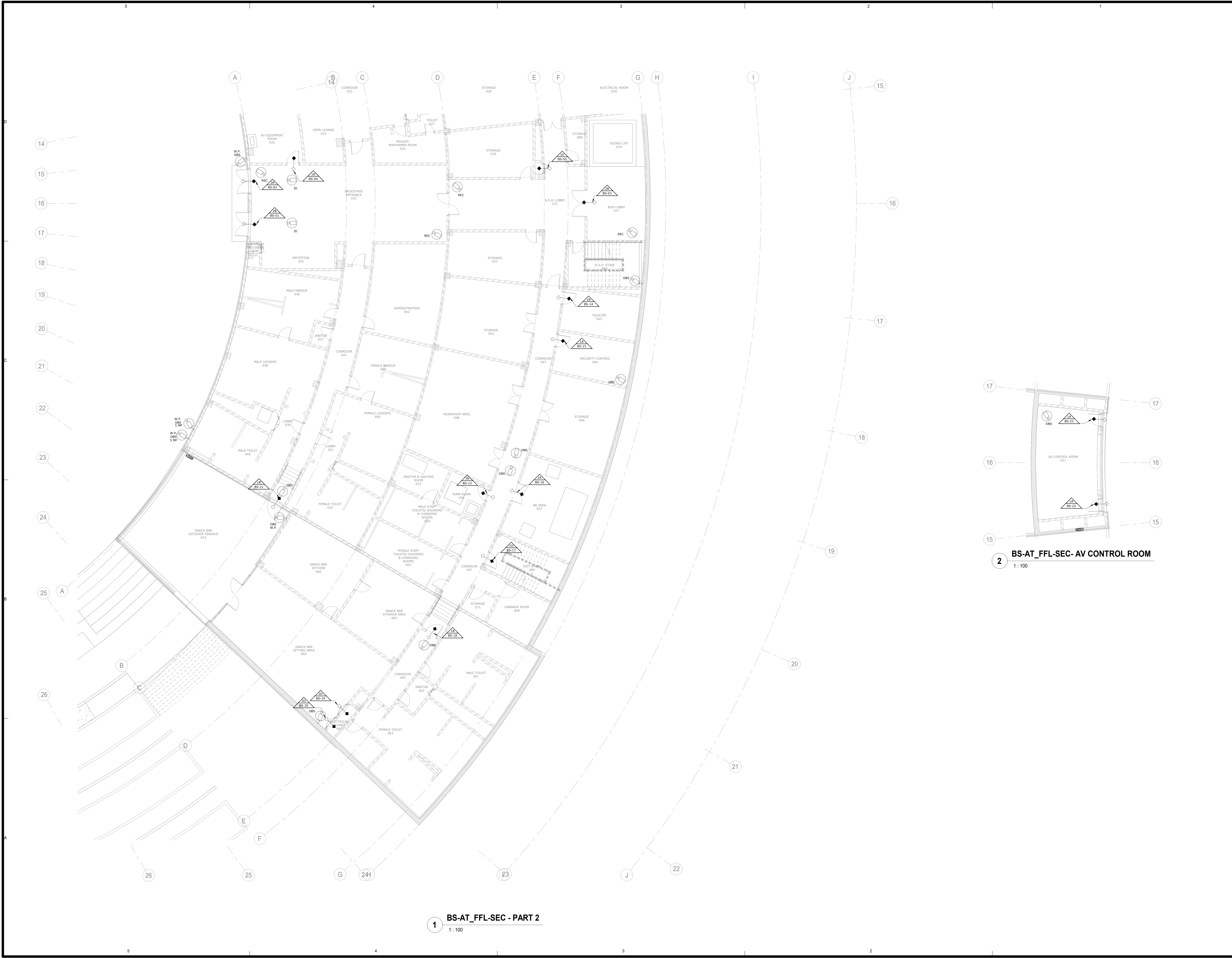
No.	APPROVED ISSUE	Date	M.K.
0	Description	09/03/2021	App.

Drawing Title:
PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT PARTIAL FLOOR PLAN 1/2
& GROUND FLOOR PARTIAL PLAN
SECURITY SYSTEMS LAYOUT

Designed	Checked	Approved
W.A.	N.S.	M.K.

Drawn	Date	Scale
A.S.	09/03/2021	1:100

Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.
PE20851C	FD	AT00	TY	103	0



1 BS-AT_FFL-SEC - PART 2
1 : 100

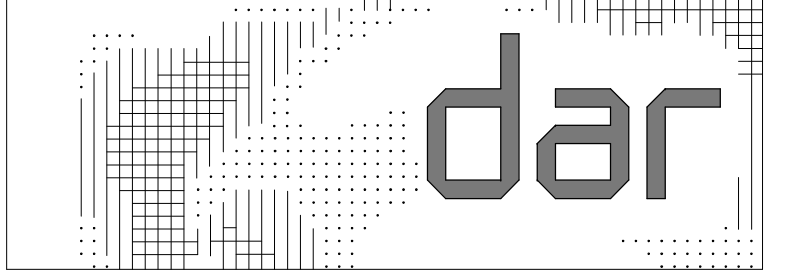
2 BS-AT_FFL-SEC- AV CONTROL ROOM
1 : 100

Client:

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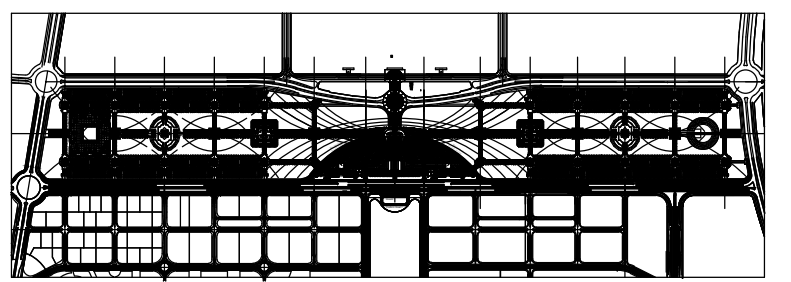
Main Consultant:



Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

Key Plan:



NORTH

Notes:

- FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PE20851C-FD-GEN-TG-001.
- FOR FIRE ALARM SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR IP TELEPHONY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR SECURITY SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TX-001.
- FOR STRUCTURED CABLING SCHEMATIC REFER TO DWG NO. PE20851C-FD-AT00-TT-002.
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- FOR STRUCTURED CABLING DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TT-001.
- FOR ACCESS CONTROL DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TY-001.
- FOR VIDEO SURVEILLANCE DETAILS REFER TO DWG NO. PE20851C-FD-GEN-TY-002.

FOR CONSTRUCTION
MARCH 2021

No.	APPROVED ISSUE Description	09/03/2021 Date	M.K. App.
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Drawing Title:

PRESIDENTIAL PARK
-AMPHITHEATRE BUILDING-
BASEMENT PARTIAL FLOOR PLAN
2/2- SECURITY SYSTEMS LAYOUT

Designed W.A.	Checked N.S.	Approved M.K.
Drawn A.S.	Date 09/03/2021	Scale 1 : 100
PE20851C	FD	AT00
Project No.	Phase	Project part / Department Acronym
		Sheet No.
		Rev.

LEGEND:-

SYMBOLS	DESCRIPTION
FIRE ALARM SYSTEM	
	FIRE ALARM DETECTOR A= TYPE: S: IONIZATION SMOKE DETECTOR D: PHOTOELECTRIC SMOKE DETECTOR H: FIXED TEMPERATURE THERMAL DETECTOR R: RATE OF RISE/FIXED TEMPERATURE THERMAL DETECTOR F: FLAME DETECTOR L= LASER TYPE SMOKE DETECTOR M: MULTI-SENSOR DETECTOR D: DUCT SMOKE DETECTOR B=ACCESSORY (IF ADDED): S: WITH SOUNDER BASE H: FOR HARSH ENVIRONMENT CO: CARBON MONOXIDE DETECTOR
	ABOVE FALSE CEILING PHOTOELECTRIC SMOKE DETECTOR
	UNDER RAISED FLOOR PHOTOELECTRIC SMOKE DETECTOR
	OPTICAL BEAM SMOKE DETECTOR - TRANSMITTER
	OPTICAL BEAM SMOKE DETECTOR - RECEIVER
	MANUAL STATION
	FIRE ALARM BELL
	FIRE ALARM BELL WITH STROBE LIGHT
	CEILING MOUNTED STROBE LIGHT
	WALL MOUNTED STROBE LIGHT
	FIRE ALARM HORN (T=H1,H2 OR H3 REFER. SPECIFICATIONS)
	FIRE ALARM HORN WITH STROBE LIGHT (T=H1, H2 OR H3 REFER. SPECIFICATIONS)
	FIRE EVACUATION SPEAKER
	FIRE EVACUATION SPEAKER WITH STROBE LIGHT
	WALL MOUNTED FIRE EVACUATION SPEAKER
	WALL MOUNTED FIRE EVACUATION SPEAKER WITH STROBE LIGHT
	WALL MOUNTED HIGH DIRECTIVITY FIRE EVACUATION SPEAKER
	REMOTE INDICATOR
	MAGNETIC DOOR HOLDER
	DOOR CONTACT
	FIRE ALARM TERMINAL CABINET (H=FLOOR AND SIGNAL NUMBER)
	FIRE ALARM REPEATER PANEL
	MAIN FIRE ALARM CONTROL PANEL
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	REFUGE INTERCOM PANEL
	WATER FLOW SWITCH (PART OF MECHANICAL WORK)
	TAMPER SWITCH (PART OF MECHANICAL WORK)
	CONTROL MODULE
	MONITOR MODULE
	FIRE FIGHTER TELEPHONE OUTLET
	FIRE FIGHTER TELEPHONE STATION
	REFUGE INTERCOM STATION
	FIRE COMMAND CENTER
	LINEAR HEAT DETECTOR
	LINEAR HEAT DETECTOR PANEL
	ELECTROMAGNETIC FIRE-BREAK DOOR RELEASE DEVICE
	CONVENTIONAL ZONE MODULE
	REMOTE POWER SUPPLY UNIT
CCTV SYSTEM	
	CCTV CENTRAL CONSOLE
	MATRIX SWITCHER
	VIDEO SWITCHER
	CEILING CAMERA , FIXED TYPE
	CEILING CAMERA , CONTROLLABLE TYPE
	CEILING DOME CAMERA , FIXED TYPE
	CEILING DOME CAMERA , CONTROLLABLE TYPE
	WALL MOUNTED CAMERA , FIXED TYPE
	WALL MOUNTED CAMERA , CONTROLLABLE TYPE
	WALL MOUNTED DOME CAMERA , FIXED TYPE
	WALL MOUNTED DOME CAMERA , CONTROLLABLE TYPE

STRUCTURED CABLING SYSTEM	
	WALL MOUNTED INFORMATION OUTLET m: NUMBER OF DATA (D) PORTS (1,2,3,ETC.) m: NUMBER OF TELEPHONE (T) PORTS x: NUMBER OF VIDEO (V) PORTS Y: OUTLET SERVICES (AS SHOWN BELOW)
	FLOOR MOUNTED INFORMATION OUTLET m: NUMBER OF DATA (D) PORTS (1,2,3,ETC.) m: NUMBER OF TELEPHONE (T) PORTS x: NUMBER OF VIDEO (V) PORTS Y: OUTLET SERVICES (AS SHOWN BELOW)
	FURNITURE MOUNTED INFORMATION OUTLET m: NUMBER OF DATA (D) PORTS (1,2,3,ETC.) m: NUMBER OF TELEPHONE (T) PORTS x: NUMBER OF VIDEO (V) PORTS Y: OUTLET SERVICES (AS SHOWN BELOW)
	CEILING INFORMATION OUTLET m: NUMBER OF DATA (D) PORTS (1,2,3,ETC.) x: NUMBER OF VIDEO (V) PORTS Y: OUTLET SERVICES
	W: WALL MOUNTED TELEPHONE
	DS: DIGITAL SIGNAGE
	CCTV: CAMERA
	ACS: ACCESS CONTROL
	SBS: SECURITY
	VMS: VENDING MACHINE
	POS: POINT OF SALE
	ATM: AUTOMATED TELLER MACHINE
	RVS: RAY ON FOOT MACHINE
	PSS: PARKING GUIDANCE SYSTEM
	IC: INTERCOM
	SS: SECURITY SCREENING
	EV: ELECTRICAL VEHICLE
	RC: RAILWAY CONTROLLER
	LPR: LICENSE PLATE RECOGNITION
	TD: TELECOM
	WIRELESS ACCESS POINT LOCATION, WALL MOUNTED
	WIRELESS ACCESS POINT LOCATION, CEILING MOUNTED
	CONSOLIDATION POINT (T=H-FIBER OR C-COPPER , S=SIZE)
	TENANT TELECOM CABINET
	TELECOMMUNICATIONS RACK
	SERVER CABINET
	TELECOMMUNICATIONS CABINET
	OPTICAL DISTRIBUTION FRAME
	INDOOR EQUIPMENT CABINET
PUBLIC ADDRESS / SOUND SYSTEM	
	SOUND SYSTEM TERMINAL CABINET
	PLUG-IN MICROPHONE
	CEILING MOUNTED SPEAKER (Z=REFERS TO ZONE NUMBER)
	PENDANT MOUNTED SPEAKER
	WALL MOUNTED COLUMN SPEAKER (Z=REFERS TO ZONE NUMBER)
	PREAMPLIFIER / MIXER
	AMPLIFIER
	TAPE RECORDER
	MICROPHONE WITH PLUG
	VOLUME CONTROL
	VOLUME CONTROL WITH CHANNEL SELECTION
	PAGING STATION

SYMBOLS	DESCRIPTION
INFRASTRUCTURE NETWORKS	
	HAND HOLE
	EMERGENCY TELEPHONE/WEATHER PROOF
	FEEDER PILLAR
	TELECOMMUNICATION DISTRIBUTION CABINET
	DIGITAL SIGNAGE
ACCESS CONTROL SYSTEM	
	CARD READER
	ELECTRIC LOCK
	MAGNETIC LOCK
	DOOR INTERFACE UNIT
	ACCESS CONTROL PANEL
	PANIC BUTTON
	PUSH BUTTON
	DOOR CONTACT
	EMERGENCY ALARM BUTTON
	COUNTER SENSOR
	TAG EXCITER
	DOOR TYPE
	ACS DOOR DETAIL REFERENCE
	SEQUENCE NUMBER
	BUILDING FLOOR/LEVEL NUMBER
	HIGHER LEVEL OF SECURITY
	ACCESS CONTROLLED DOOR SYMBOL
	LOWER LEVEL OF SECURITY

DUCT/CABLE TEXT :	
	W:WAYS
	Y:NUMBER OF WAYS PER MICRODUCT
	A:NUMBER OF MICRO-DUCTS

BUILDINGS NOTES

GENERAL NOTES

- THE LAYOUT DRAWINGS DO NOT SHOW ALL THE SYSTEMS, ITEMS, OR ACCESSORIES COVERED UNDER THE SCOPE OF TELECOM WORKS TO BE EXECUTED. THE LAYOUT DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT OR SPECIALIST DRAWINGS AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL ITEMS NECESSARY TO ACHIEVE A FULLY FUNCTIONAL SYSTEM TO MEET THE SPECIFICATIONS / DESIGN INTENT AND RESPECTIVE REGULATIONS.
- DO NOT SCALE FROM THE LAYOUT DRAWINGS, WORK ACCORDING TO ARCHITECTURAL OR TELECOM DETAILS UNLESS OTHERWISE INDICATED.
- THE SIZE OF CONDUITS IS IN GENERAL NOT SHOWN ON THE DRAWINGS. THE SIZE OF ALL CONDUITS SHALL BE SELECTED IN ACCORDANCE WITH THE "REGULATIONS" AND AS A FUNCTION OF THE NUMBER & SIZE OF THE INDICATED CONDUCTORS. ALL CONDUITS SHALL BE AS SPECIFIED WITH A MINIMUM SIZE OF Ø20mm UNLESS OTHERWISE INDICATED.
- ALL EXPOSED CONDUITS INSTALLED IN PLANT AREAS ARE TO BE STEEL TYPE AS PER PROJECT SPECIFICATIONS, UNLESS OTHERWISE INDICATED.
- CONTRACTOR IS TO ENSURE THAT PROPER CLEARANCE IS PROVIDED BETWEEN POWER AND TELECOM COPPER CABLES RUNS (PARALLEL & PERPENDICULAR) IN ORDER TO AVOID ELECTROMAGNETIC INTERFERENCE / INFLUENCE BETWEEN POWER AND TELECOM CABLES AS PER APPLICABLE LOCAL / INTERNATIONAL REGULATIONS AND STANDARDS.
- CONTRACTOR IS TO ENSURE THE ACCESSIBILITY OF ALL TELECOM INSTALLATIONS AND EQUIPMENT FOR FUTURE MAINTENANCE / REPLACEMENT. CONTRACTOR IS TO PROVIDE ALL REQUIRED STRUCTURES, SUPPORTS AND ACCESSORIES NECESSARY FOR THE PROPER FIXATION OF ALL EQUIPMENT, RACEWAYS, ETC. IN LOCATIONS THAT ENSURE THEIR SAFETY AND ACCESSIBILITY
- SMART FIELD DEVICES (I.E. CCTV CAMERAS, PUBLIC ADDRESS AMPLIFIERS, PARKING GUIDANCE DISPLAY, PARKING CONTROLLERS, ACCESS CONTROL PANELS, EMERGENCY STATION, INTERNAL TELEPHONE, ETC.) WILL BE CONNECTED TO THE COC/CCC THROUGH THE SSN.
- SMART PARKING, VIDEO SURVEILLANCE, ACCESS CONTROL AND FIRE ALARM SYSTEMS WILL BE MANAGED FROM COC/CCC CENTRALIZED PLATFORM. CONTRACTOR SHALL GUARANTEE INTEGRATION WITH COC/CCC PLATFORM AND IS RESPONSIBLE TO COORDINATE WITH THE CLIENT/ACU/D TO PROVIDE ALL REQUIRED INTEGRATION ELEMENTS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- FOR OTHER SYSTEM THAT AREN'T INCLUDED IN COC PLATFORM (PUBLIC ADDRESS, INTERNAL TELEPHONY, EMERGENCY STATION, PEOPLE COUNTING AND LOCATING SYSTEMS); CONTRACTOR OF CPO1A, CPO1B AND CPO1C) TO BE HOSTED AT THE COC. THESE SYSTEMS SHALL BE FULLY INTEGRATED WITH COC PLATFORM

FIRE ALARM SYSTEM NOTES

- FIRE ALARM DETECTION AND ALARM SYSTEM IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 70, 72, 101, 500D AND FIRE SAFETY GUIDE OF CIVIL DEFENSE DEPARTMENT .
- FOR CORE & SHELL SPACES, NOT MORE THAN 50 % OF SIGNALING LOOP CAPACITY TO BE CONSIDERED FOR INITIAL INSTALLATION AND OPERATION. FOR FULLY FURNISHED SPACES, THE QUANTITY OF ADDRESSABLE DEVICES (DETECTORS + MODULES) PER LOOP SHALL NOT EXCEED 80% OF THE MAXIMUM CAPACITY SO AS TO MAINTAIN A 20% SPARE CAPACITY
- PRESIDENTIAL PARK OPERATOR SHALL ENSURE THAT ADDED DEVICES IN CORE & SHELL AREAS ARE OF THE SAME TYPE OF DEVICES USED AND TO BE COMPATIBLE WITH INSTALLED FIRE ALARM PANELS/ SYSTEMS.
- FIRE ALARM SYSTEM CABLES SHALL COMPLY WITH BS 5839-1 CLAUSE 26.2(D) STANDARD, FLAME RETARDANT, LOW SMOKE ZERO HALOGEN.
- FIRE ALARM SYSTEM WIRING SHALL BE CONFIGURED AS "CLASS A" WIRING. THE OUTGOING & RETURN CIRCUIT CONDUCTORS SHALL NOT RUN IN THE SAME CABLE ASSEMBLY, RACEWAY OR ENCLOSURE.
- CONDUCTOR SIZES SHALL BE 2X1.5MM2 FOR SIGNALING LINE CIRCUITS AND 2X2.5MM2 FOR NOTIFICATION LINE CIRCUITS, HOWEVER THE CONTRACTOR SHALL VERIFY THE CONNECTED LOADS AND PROVIDE CONDUCTORS IN SECTIONS TO COMPENSATE FOR VOLTAGE DROPS AND ENSURE PROPER COMPONENT OPERATION.
- EQUIPMENT, INSTALLATION, WORKMANSHIP, INSPECTION, AND TESTING SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF NFPA-72 - 2019, "NATIONAL FIRE ALARM AND SIGNALING CODE".
- ALL INSTALLATIONS SHALL BE AFTER FULL COORDINATION WITH ALL TRADES, ANY DEVIATION FROM DESIGN DRAWINGS SHALL BE RESOLVED AND APPROVED ACCORDINGLY.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CATALOGUE AND MATERIAL SAMPLES FOR APPROVAL BY CONSULTING ENGINEER PRIOR TO ACTUAL PROCUREMENT AND INSTALLATION. THE CONTRACTOR SHALL PROVIDE DETAILS OF THE VARIOUS COMPONENTS OF THE FIRE ALARM SYSTEM INSTALLATION BASED ON THE APPROVED PLANS AND ACTUAL MANUFACTURER'S DATA.
- CONTRACTOR SHALL PROVIDE NECESSARY INTERFACES MODULE FOR ALL SMOKE CONTROL EQUIPMENT SUCH AS PRESSURIZATION FANS, SMOKE EXTRACTION FANS, SMOKE CONTROL MOTORIZED DAMPERS, ETC. WHERE APPLICABLE.
- DUCT SMOKE DETECTORS SHALL BE PROVIDED ON SUPPLY AIR SYSTEM AND TO BE CONNECTED TO THE NEAREST SIGNALING LOOP.
- CONTRACTOR SHALL PROVIDE NECESSARY INTERFACES MODULE FOR ALL FIRE SUPPRESSION SYSTEMS SUCH AS PRE-ACTION SYSTEM, DELUGE VALVE SYSTEM AND ZONE VALVES WHERE APPLICABLE.
- SPACES PROTECTED BY AUTOMATIC FIRE SUPPRESSION SYSTEM (FM200) (REFER TO MECHANICAL PACKAGE) SHALL BE INTERFACED WITH FIRE ALARM CONTROL PANEL TO PROVIDE FULL SYSTEM INFORMATION INCLUDING (ALARM, GAS RELEASED, SYSTEM TROUBLE) SIGNALS.
- CONTRACTOR SHALL PROVIDE NECESSARY INTERFACES CONTROL MODULE FOR ALL SECURED DOORS IN EGRESS PATH TO OPEN IN CASE OF FIRE.
- CONTRACTOR SHALL PROVIDE NECESSARY INTERFACES TO FIRE DOOR HOLDERS, FIRE/SMOKE CURTAINS, FIRE SHUTTERS, ETC. AS INDICATED ON ARCHITECTURE DRAWING WHERE APPLICABLE.
- THE AUTOMATIC OPERATIONS SHALL BE UNDERTAKEN FROM SYSTEM BASED ON THE FINAL CAUSE & EFFECT MATRIX SUBMITTED BY THE CONTRACTOR FOR APPROVAL.
- FAULT ISOLATOR MODULES SHALL BE PROVIDED AS PER NFPA 72 REQUIREMENTS.
- DETECTION AND NOTIFICATION DEVICES IN CORE & SHELL AREAS PROVIDE THE MINIMUM REQUIRED COVERAGE, FINAL LOCATIONS AND QUANTITIES SHALL BE PROVIDED AS PER FINAL INTERIOR LAYOUTS. TENANT/ PRESIDENTIAL PARK OPERATOR SHALL COORDINATE ALL NECESSARY MODIFICATIONS/ADDITIONS.
- WIRING AT TENANT SPACE SHALL ALLOW FUTURE ISOLATION FOR THE DETECTORS WITHIN THE TENANT SPACE WITHOUT AFFECTING THE OPERATION OF DEVICES ON THE SAME SIGNALING CIRCUIT, FAULT ISOLATOR MODULE SHALL BE PROVIDED AT EACH TENANT SPACE ACCORDINGLY.
- VISIBLE APPLIANCES CD LEVEL SHALL BE SET AS PER NFPA 72 CODE REQUIREMENTS, REFER TO TABLE 18.5.5.4.1.
- CONTRACTOR TO ENSURE THAT ALL FIRE ALARM DEVICES ARE MADE ACCESSIBLE FOR MAINTENANCE.
- THE NUMBER OF ADDRESSABLE LOOPS SHOWN ON THE RISER DIAGRAM ARE INDICATIVE ONLY. THE FINAL NUMBER OF LOOPS SHALL DEPEND ON THE MANUFACTURER'S STANDARD (NUMBER OF DEVICES PER LOOP) PLUS ONE (1) SPARE LOOP PER FACP.

TELECOMMUNICATION SYSTEMS NOTES

- ALL CONDUITS SHALL BE PVC EMBEDDED CONDUITS UNLESS/OTHERWISE INDICATED.
- CABLE CONVEYANCE PATHWAYS INDICATED ON DRAWINGS ARE DIAGRAMMATIC. COORDINATE ROUTING AND FINAL LOCATIONS OF PATHWAYS WITH OTHER OVERHEAD SYSTEMS AND SITE CONDITIONS.
- CONTRACTOR TO PROVIDE A COMPLETE AND FUNCTIONAL CABLE CONVEYANCE SYSTEM CONSISTENT WITH OVERHEAD SUPPORT AND ATTACHMENT COMPONENTS. AT EVERY POINT THROUGHOUT THE ROUTING PATHWAY, FIBER OPTICAL CABLE BENDING RADIUS SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS.
- CONDUIT PATHWAYS SHALL NOT EXCEED 30 METERS BETWEEN PULL BOX LOCATIONS. CONDUIT PATHWAYS SHALL NOT EXCEED 90° BENDS BETWEEN PULL BOXES.
- GROUND ALL CONDUITS, CABLE TRAYS AND JUNCTION BOXES AS PER THE MANUFACTURER'S RECOMMENDATIONS AND AS PER ALL APPLICABLE CODES.
- ALL CABLE TRANSITIONS FROM THE LADDER TRAY TO THE CABINETS SHALL BE ROUTED VIA PROPER TRANSITION HARDWARE SUCH AS, BUT NOT LIMITED TO, WATERFALLS OR RUNWAY TO RACK TRANSITIONS TO MAINTAIN PROPER CABLE BEND RADII.
- INSTALL FIRE STOP ASSEMBLIES TO ALL THROUGH-SLAB AND THROUGH-WALL PENETRATIONS FOR THE INSTALLATION OF CABLES AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL.
- ALL DATA OUTLETS IN SUPPORT SPACES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, BMS, ELECTRICAL, PLUMBING, SECURITY AND FIRE ALARM - CONTRACTOR SHALL COORDINATE DATA OUTLET FINAL LOCATION IN THE ROOM ON SHOP DRAWINGS WITH ALL OTHER SYSTEM CONTRACTORS AS REQUIRED TO SUPPORT THE SYSTEMS IN THE ROOM.
- FURNITURE MOUNTED DATA/TELEPHONE OUTLETS AND CORRESPONDING POWER SOCKET(S) SHALL BE HOUSED IN THE SAME TABLE BOX.
- OUTLETS FACEPLATES SELECTION SHALL FOLLOW THE SAME SELECTION AS LIGHTING AND POWER FACEPLATES
- THE DEVICES SHALL BE CONNECTED TO THE NEAREST ONT. IF THE MAXIMUM DISTANCE BETWEEN ONT AND THE END DEVICES EXCEEDS 90M, THEN FIBER AND NECESSARY MEDIA CONVERTERS SHALL BE USED AND LOCAL UPS POWER SUPPLY SHALL BE ARRANGED ACCORDINGLY.
- CABINET ELEVATIONS ARE DIAGRAMMATIC IN NATURE TO REFLECT SYSTEM ASSIGNMENTS AND BASIS OF DESIGN EQUIPMENT ALLOCATIONS. THE CONTRACTOR SHALL PROVIDE THE ALL EQUIPMENT BASED ON APPROVED SYSTEM SHOP DRAWINGS.
- ALL INFORMATION TECHNOLOGY OUTLETS RATING WILL FOLLOW SAME ENVIRONMENTAL RATING OF ELECTRICAL SOCKETS WITHIN THE SPACE.
- FOR FLOOR BOX MOUNTED OUTLETS, COORDINATE MOUNTING INTO SAME ELECTRICAL SOCKET FLOOR BOX.
- LOCATION & QUANTITIES OF WIRELESS ACCESS POINTS IS INDICATIVE, FINAL LOCATIONS AND QUANTITIES WILL BE AS PER APPROVED HEAT MAPS SUBMITTED BY CONTRACTOR AS PART OF SHOP DRAWING.
- COORDINATE WIRELESS ACCESS POINT MOUNTING WITH ARCHITECTURE PACKAGE.
- ALL ELECTROMECHANICAL SPACES AND STORES WITH WALL MOUNTED TELEPHONE OUTLET WILL BE PROVIDED WITH WALL MOUNTED TELEPHONE HANDSETS
- PROVIDE ANALOG ADAPTORS FOR FAX MACHINES AT FACILITY MANAGEMENT AREA (WHERE REQUIRED).
- PROVIDE DIRECT TELEPHONE LINE TO FIRE ALARM PANEL FOR CIVIL DEFENSE COMMUNICATION.
- PROVIDE TELEPHONE LINE WITH CONTROLLED ACCESS TO PUBLIC TELEPHONE SYSTEM AT FIRE COMMAND CENTER AS PER NFPA 72 REQUIREMENTS
- FINAL DATA LINK CAPACITY WILL BE IN ACCORDANCE WITH SPECIFICATIONS AND APPROVED TRAFFIC CALCULATIONS SUBMITTED BY CONTRACTOR AS PART OF MATERIAL SUBMITTAL.
- COORDINATE ROUTERS REQUIREMENTS WITH SERVICE PROVIDER
- COORDINATE POWER REQUIREMENTS WITH ELECTRICAL PACKAGE.
- AMPLIFIER RATING WILL BE AS PER SPEAKER TAPPING & QUANTITIES.
- SPEAKER DISTRIBUTION AND TAPPING WILL BE ADJUSTED TO PROVIDE INTELLIGIBILITY & UNIFORMITY.
- PUBLIC ADDRESS SYSTEM WILL BE INTERFACED TO FIRE ALARM TO MUTE IN CASE OF FIRE.
- THE CONTRACTOR WILL GUARANTEE THAT THE MINIMUM STI REQUIRED SHALL BE 0.5.
- PUBLIC ADDRESS SYSTEM WILL UTILIZE THE SMART & SECURE NETWORK.
- THE BUILDING CONTRACTOR SHALL COORDINATE WITH INFRASTRUCTURE CONTRACTOR FOR THE INFRASTRUCTURE TELECOM NETWORK (QPN & SSN) CABLES/DUCTS CONNECTED TO THE BUILDINGS.
- FOR BUILDING CONNECTIVITY WITH TELECOM INFRASTRUCTURE NETWORKS (QPN, SSN), PLEASE REFER TO TELECOM INFRASTRUCTURE NETWORKS DRAWINGS NO. PE20851C-FD-SWO-TS-101, PE20851C-FD-SWO-TS-102, PE20851C-FD-SWO-TS-103, PE20851C-FD-SWO-TS-104, PE20851C-FD-SWO-TS-105, PE20851C-FD-SWO-TS-106, PE20851C-FD-SWO-TS-107, PE20851C-FD-SWO-TS-108, PE20851C-FD-SWO-TS-109, PE20851C-FD-SWO-TS-110, PE20851C-FD-SWO-TS-111, PE20851C-FD-SWO-TS-112, PE20851C-FD-SWO-TS-113, PE20851C-FD-SWO-TS-114, PE20851C-FD-SWO-TS-115, PE20851C-FD-SWO-TS-116, PE20851C-FD-SWO-TS-117, PE20851C-FD-SWO-TS-118, PE20851C-FD-SWO-TS-119, PE20851C-FD-SWO-TS-120.

SECURITY SYSTEMS NOTES

- ALL CAMERAS (WITHIN THE BUILDING) SHALL BE CONNECTED TO THE NEAREST ONT. IF THE MAXIMUM DISTANCE BETWEEN ONT AND THE CAMERA EXCEEDS 90M, THEN FIBER OPTIC CABLES AND NECESSARY MEDIA CONVERTERS SHALL BE USED AND UPS POWER SHALL BE ARRANGE ACCORDINGLY.
- CCTV CAMERAS LOCATIONS ARE INDICATED ON THE DRAWING APPROXIMATELY. EXACT LOCATIONS AND HEIGHTS SHALL BE DETERMINED WITH THE CONTRACTOR ON SITE DEPENDING ON THE BUILDING DECORATION, INTERIOR DESIGN AND ANY OTHER SERVICE APPLIANCE/COMPONENT.
- VIDEO SURVEILLANCE SYSTEM SHALL BE IP BASED AND MINIMUM TWO MEGA-PIXEL RESOLUTION AS PER MOI REQUIREMENTS UNLESS OTHERWISE INDICATED.
- VIDEO SURVEILLANCE STORAGE SHALL BE AS PER MOI REQUIREMENTS AND PROJECT SPECIFICATIONS.
- WEATHER PROOF CAMERAS SHALL BE USED IN OUTDOOR AREAS.
- THE SECURITY CONTRACTOR SHALL PROVIDE A SAMPLE OF EACH COMPONENT TO ARCHITECTS PRIOR TO RAISING INTERNAL STOCK ORDERS, FOR ARCHITECT APPROVAL. THE AESTHETICS OF ALL COMPONENTS ARE OF HIGH IMPORTANCE AND ALL FIXING METHODS, SIZES, COLOR, AND FINISH ARE TO BE COORDINATED AND AGREED WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF WORKS.
- THE DOOR DETAILS ARE MEANT TO BE DIAGRAMMATIC ONLY, SHOWING EQUIPMENT AND GENERAL WIRING INFORMATION. EXACT MOUNTING ACCESSORIES, MATERIAL TYPES, DOOR SWINGS, ETC. ARE NOT INDICATED AND ARE TO BE PROVIDED BY CONTRACTOR AS PART OF SHOP DRAWING.
- THE CONTRACTOR WILL COORDINATE ALL ACCESS CONTROL SYSTEM EQUIPMENT WITH DOOR HARDWARE PACKAGE.
- PROVIDE A DOOR INTERFACE BOX FOR EACH DOOR THAT IS LOCATED DIRECTLY ABOVE THE DOOR IN A CONCEALED, ACCESSIBLE AREA SUCH AS ABOVE THE CEILING FROM SECURED SIDE.
- ALL CONDUITS WILL BE EMBEDDED OR ABOVE SUSPENDED CEILINGS
- READER BACK BOXES WILL BE MOUNTED ON THE SIDE OF THE DOOR WHEREVER POSSIBLE WITH TOP OF THE BOX AT 1220mm A.F.F.
- GUARD TOUR SYSTEM & TIME AND ATTENDANCE ARE INTEGRATED WITHIN THE SECURITY SYSTEM PLATFORM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PROGRAMMING FOR EACH DOOR FOR THE APPROPRIATE SEQUENCE OF OPERATION. THE SEQUENCE OF OPERATION SHALL INCLUDE, BUT NOT BE LIMITED TO, TIME SCHEDULES, ACCESS LEVELS, DESCRIPTIONS AND ALARM. THE PROGRAMMING SHALL INCLUDE CAMERA CALL-UP IF A CAMERA IS AVAILABLE TO VIEW THE DOOR UPON ALARM.
- ALL OUTDOOR READER WILL BE WEATHER PROOF TYPE.

ABBREVIATIONS

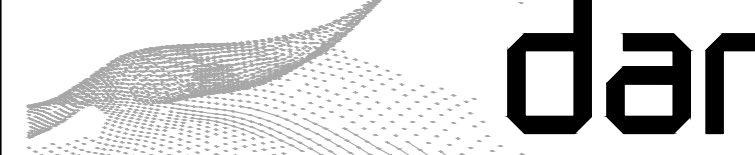
- W.P. : WEATHER PROOF
- FOV : FIELD OF VIEW

Client:

الهيئة العامة للغذاء والدواء



Main Consultant:

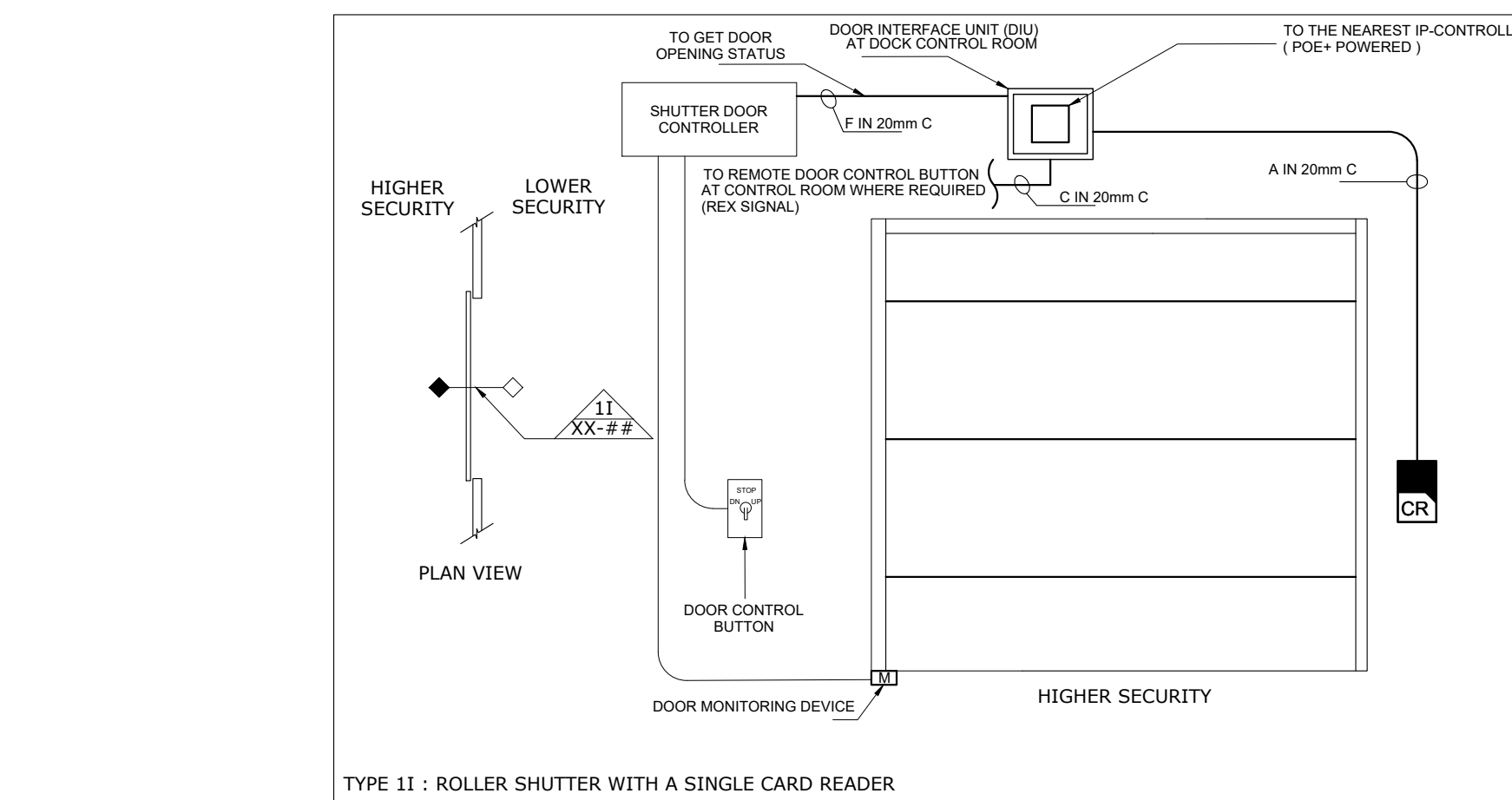
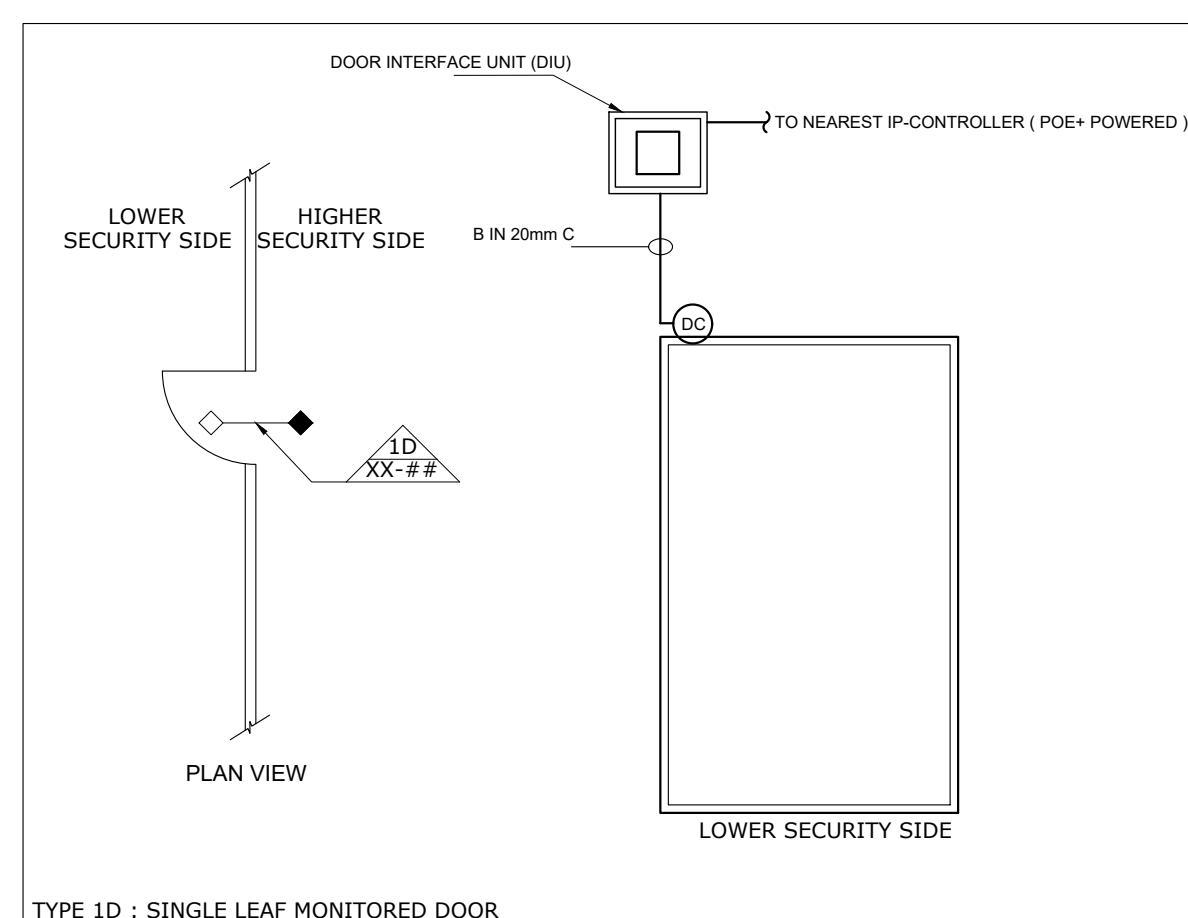
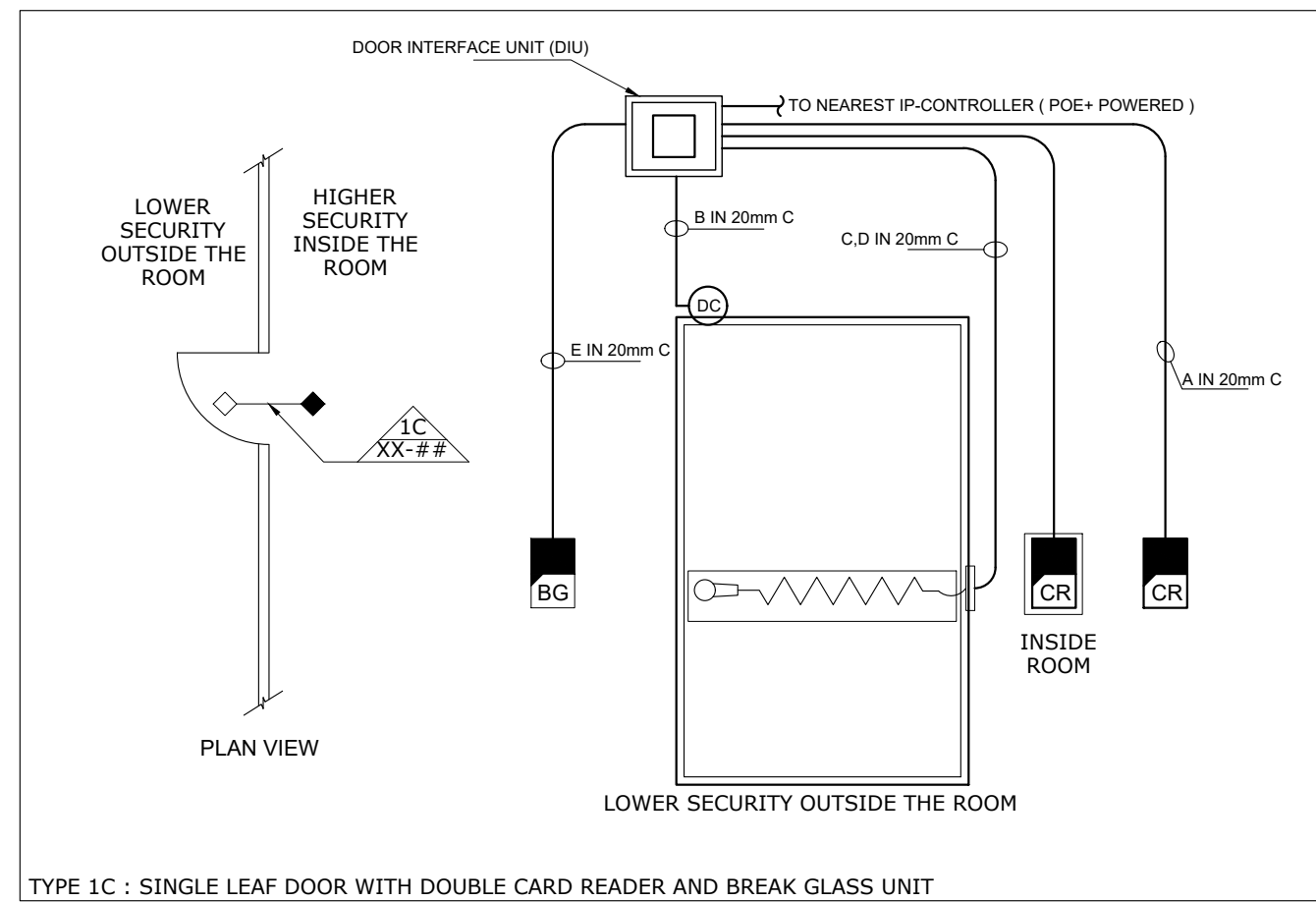
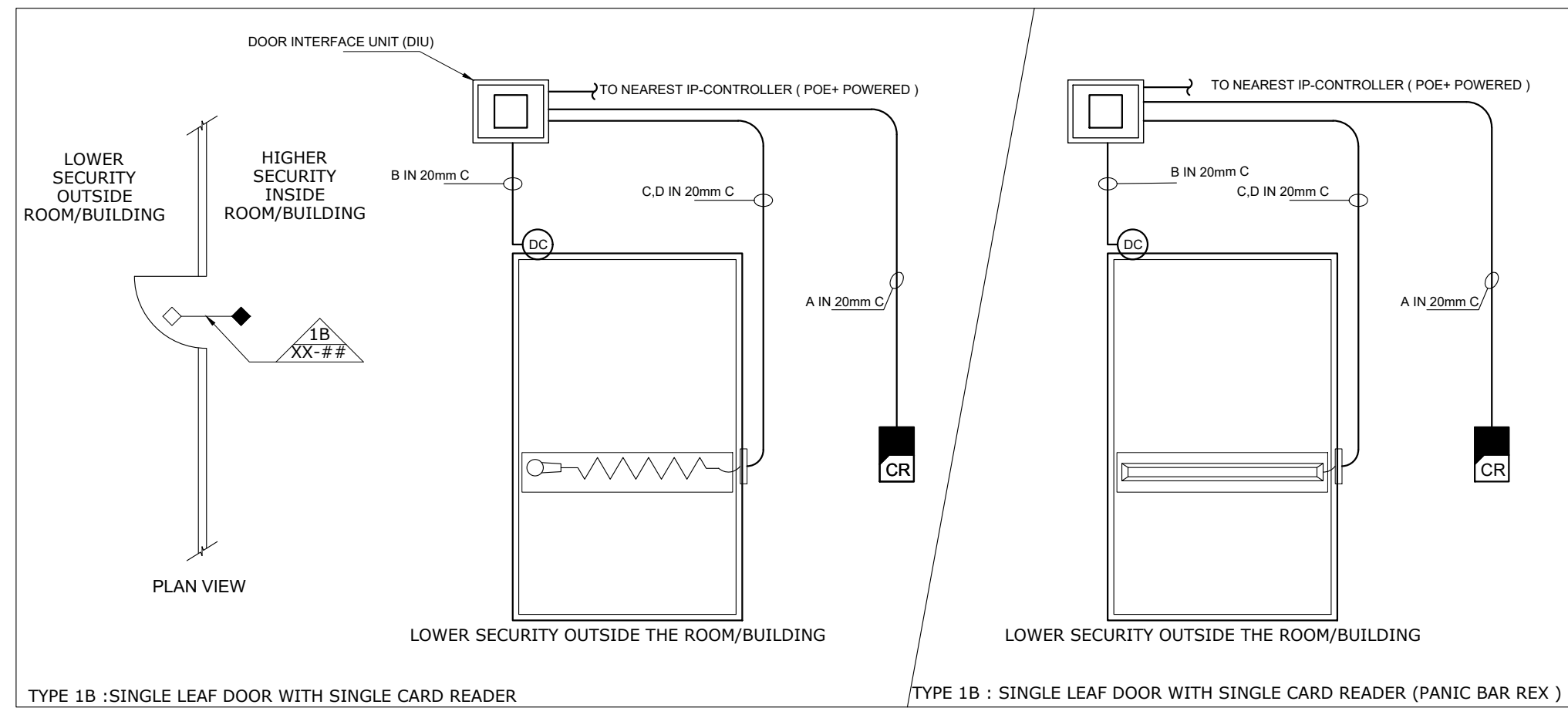
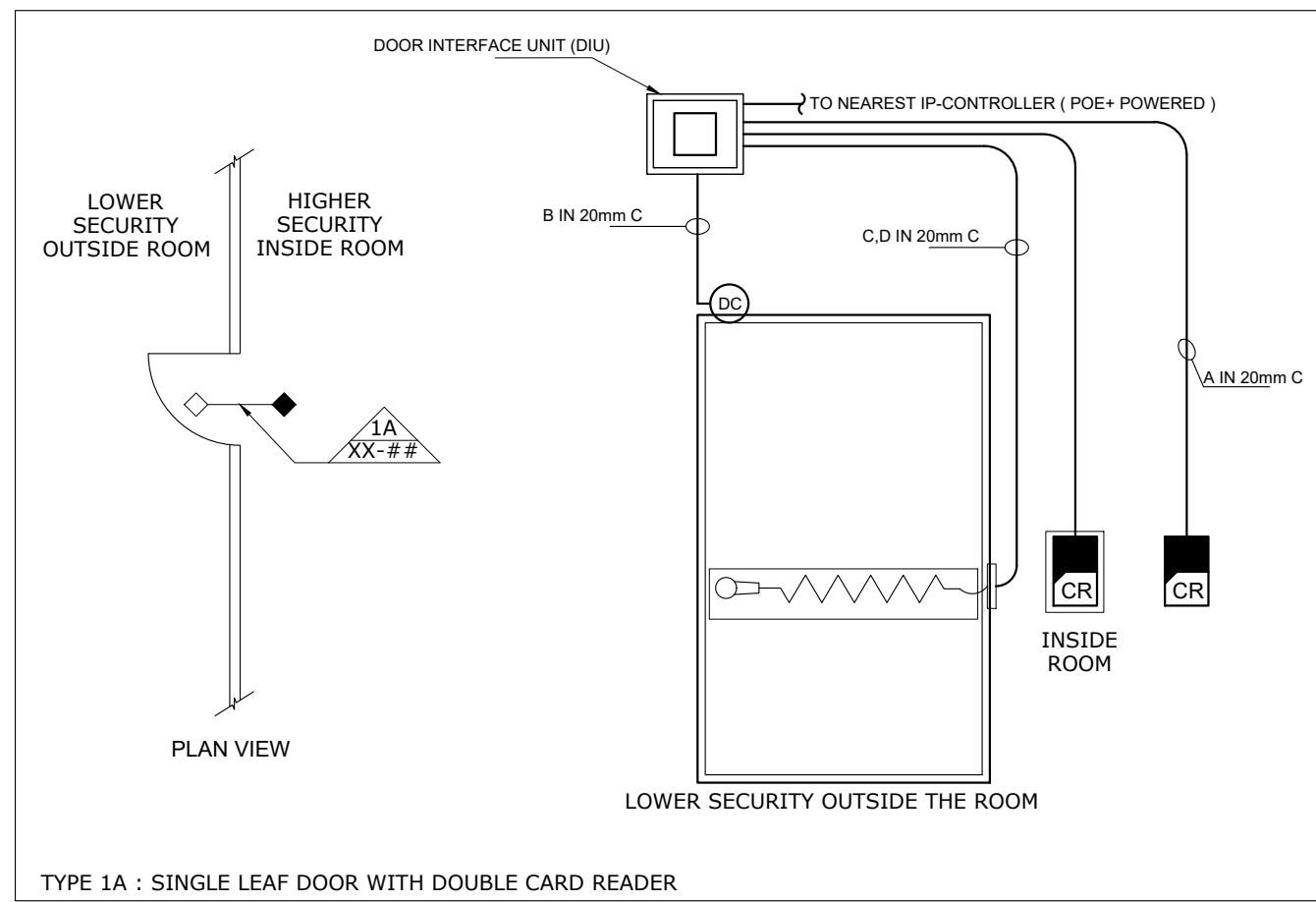


Project Name:

Governmental District
The Presidential Park
Egypt Administrative Capital

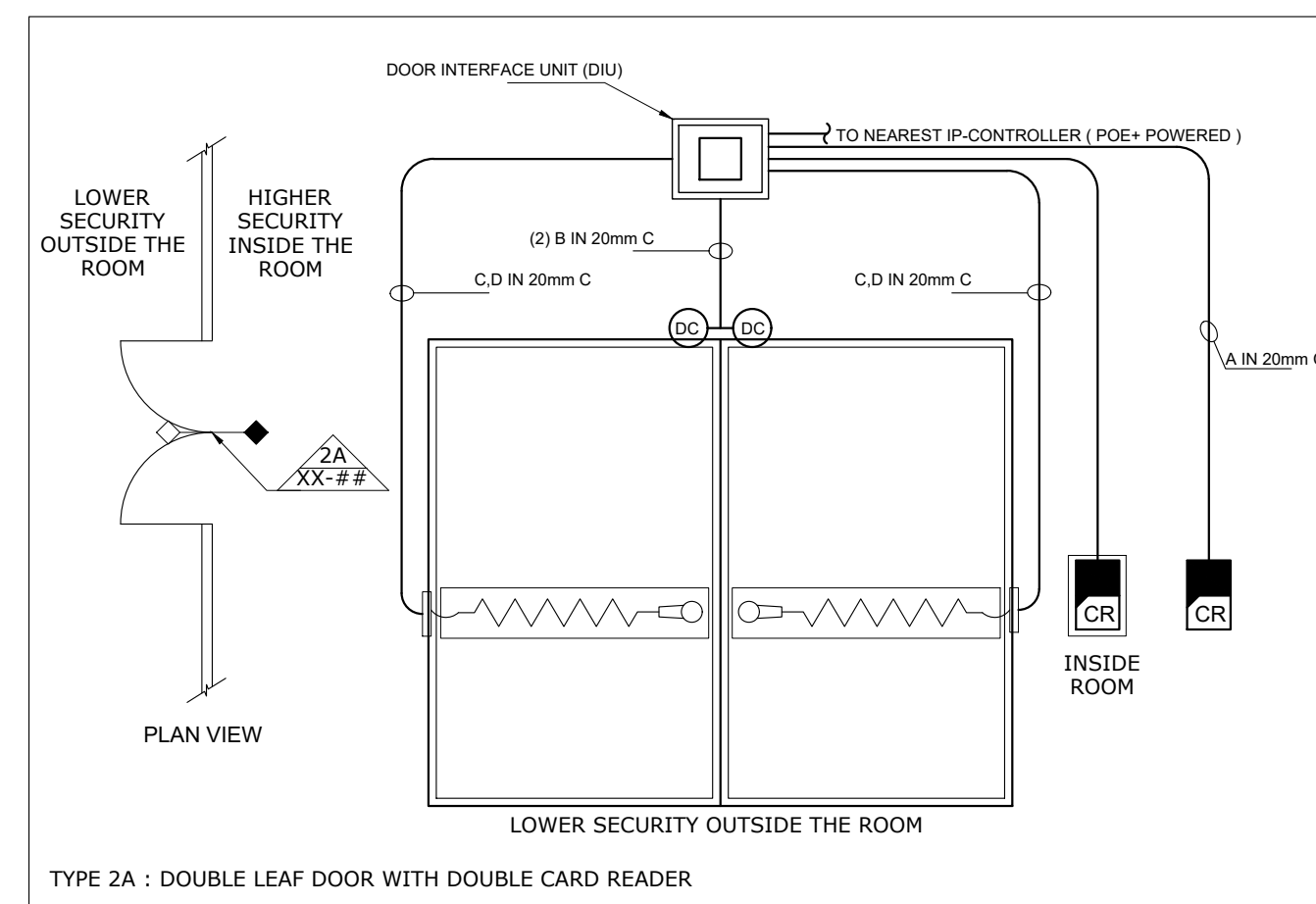
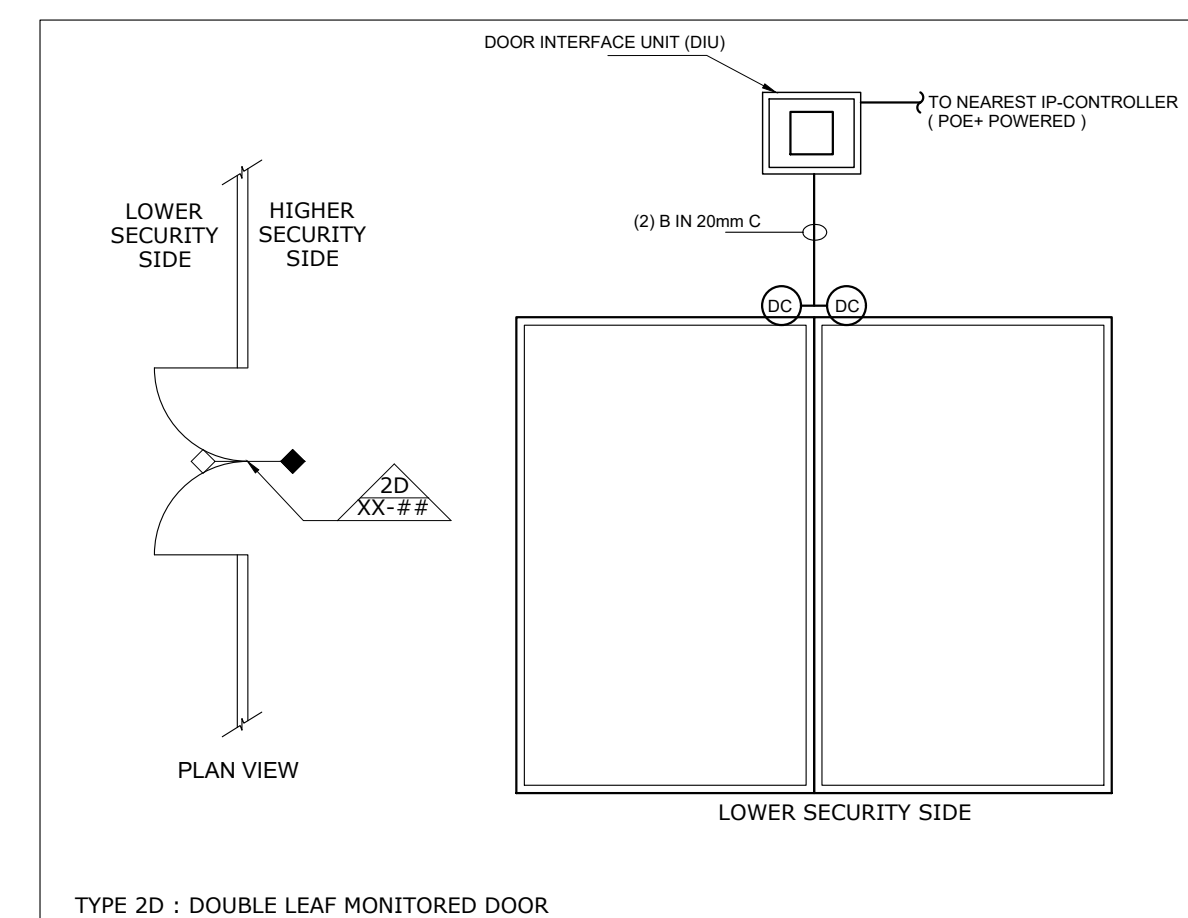
FOR CONSTRUCTION

0	APPROVED ISSUE	09/03/2021	M.K.		
No.	Description	Date	App.		
Drawing Title:					
PRESIDENTIAL PARK					
TELECOM GENERAL NOTES					
SYMBOLS AND ABBREVIATIONS					
DESIGNED	W.A.	CHECKED	N.S.	APPROVED	M.K.
DRAWN	A.S.	DATE	09/03/2021	SCALE	NTS
PE20851C	FD	GEN	TG	001	0
Project No.	Phase code	Project part	Department	Accuracy	Sheet No.

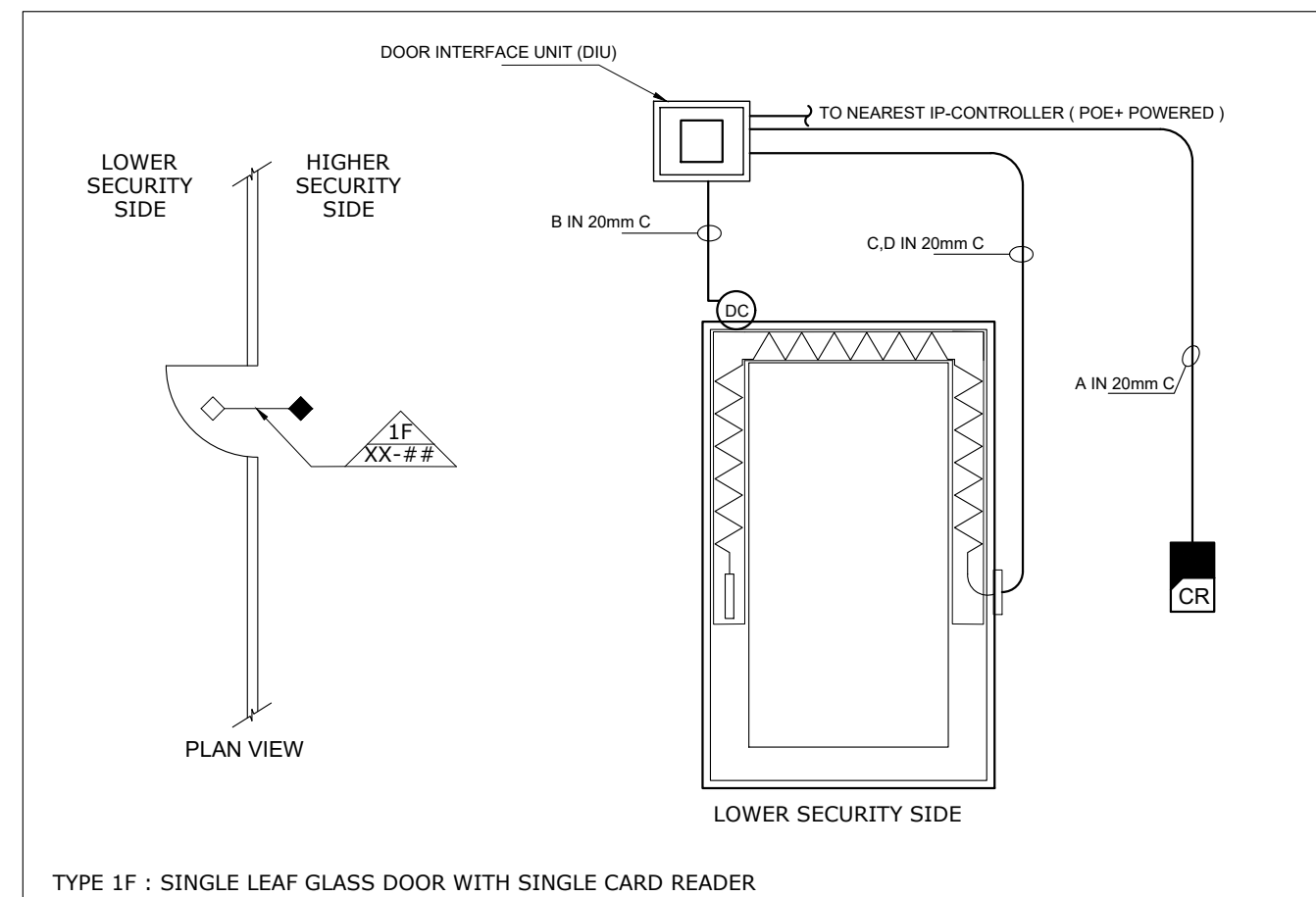
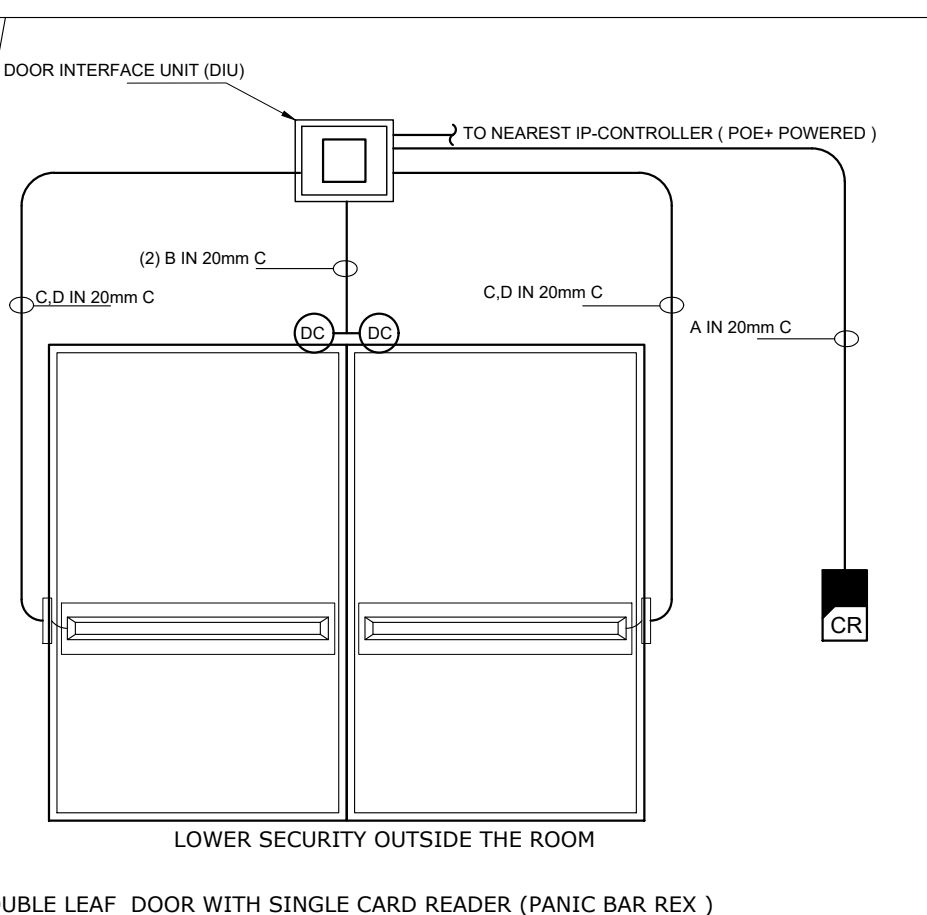
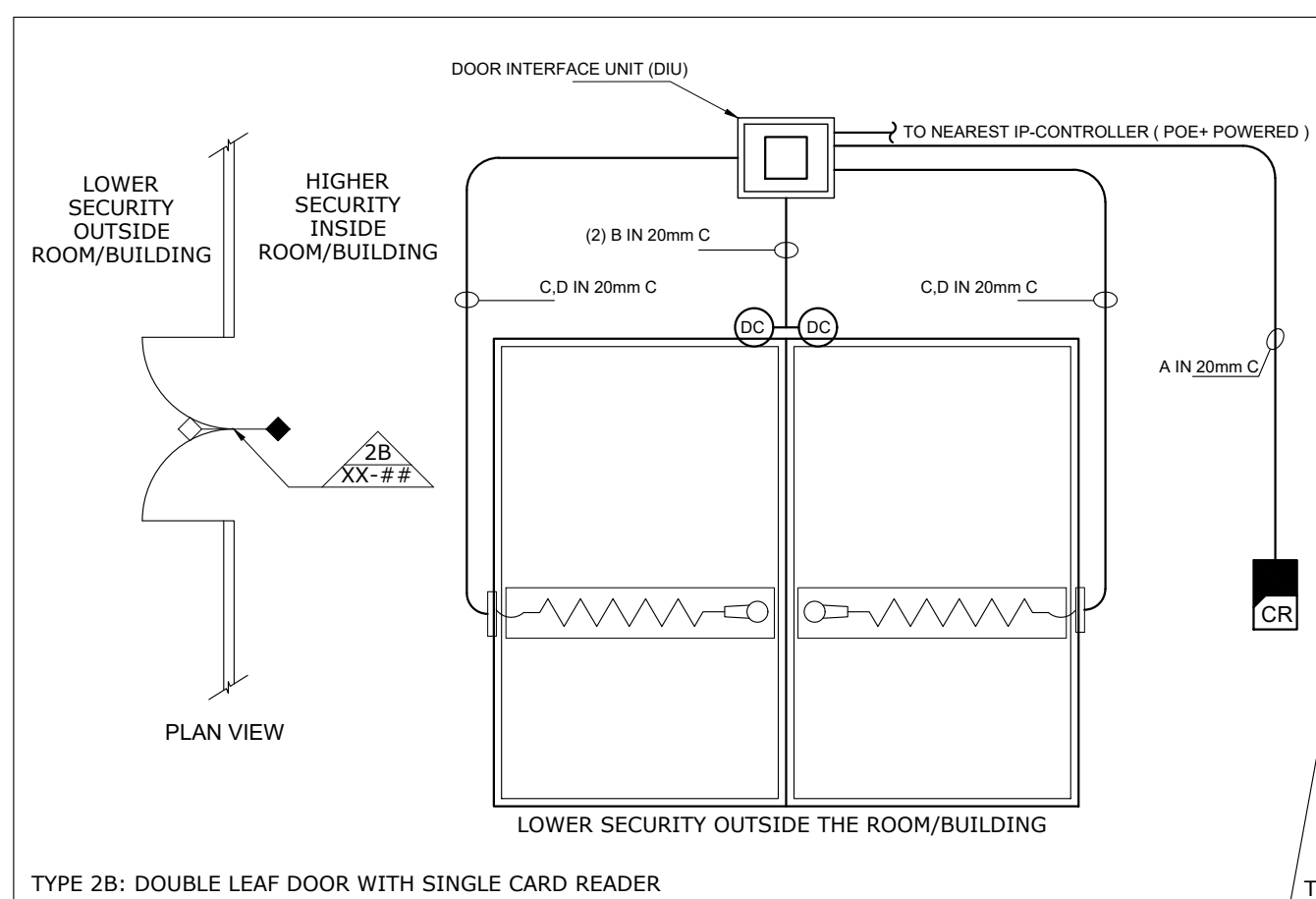
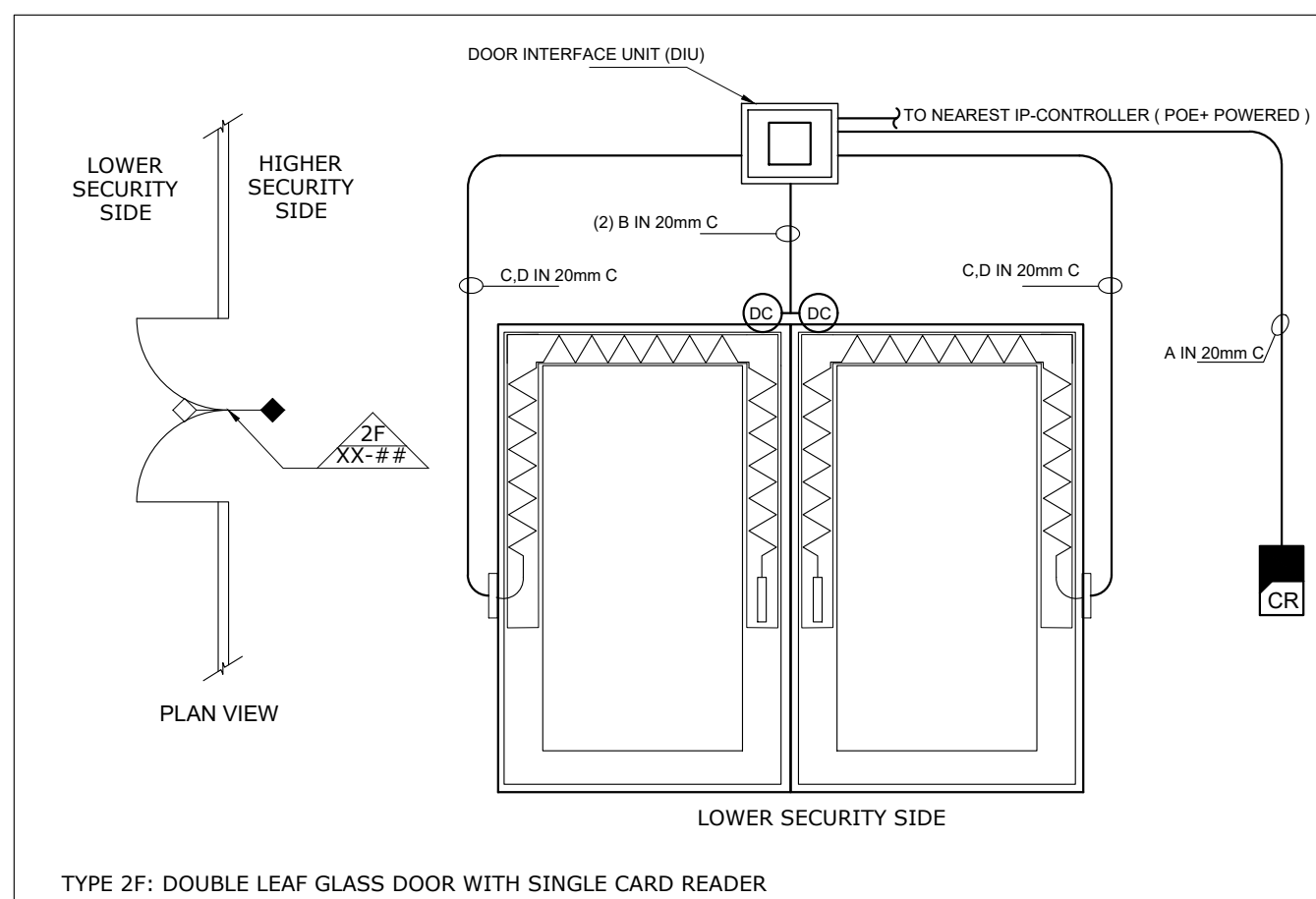


ROLLING SHUTTER DOOR OPERATION:

- 1- THE ACCESS CONTROL SYSTEM SHALL CONTROL THE ROLLING SHUTTER DOORS BY INTERFACING WITH THE DOOR HARDWARE CONTROL PANEL AND THE DOOR OPEN/CLOSE SWITCH THAT SHALL BE SUPPLIED AND INSTALLED BY THE DOOR HARDWARE SUPPLIER.
- 2- A VALID CARD READER SHALL BE REQUIRED TO OPEN THE DOOR. AUTHORIZED ACCESS SHALL ENABLE THE OPEN/CLOSE BUTTON FOR A CERTAIN TIME TO ALLOW THE USER TO CONTROL THE DOOR.
- 3- THE ACCESS CONTROL SYSTEM SUPPLIER SHALL COORDINATE WITH THE MECHANICAL DOOR CONTROL PANEL SUPPLIER TO GET SIGNALS FOR THE DOOR STATUS. I.E. DOOR HELD OPEN, DOOR FORCED OPEN AND REX SIGNAL.
- 4- THE ACCESS CONTROL SYSTEM SHALL ALLOW DOOR OPENING FOR CERTAIN TIME DEFINED BY USER. IF THE DOOR HELD OPEN FOR TIME EXCEEDING THE DEFINED TIME, A SIGNAL SHALL BE SENT TO ACTIVATE AN AUDIO-VISUAL ALARM THAT SHALL BE INSTALLED NEAR TO THE DOOR. A VALID CARD READER SHALL DEACTIVATE THE ALARM.
- 5- IF THE DOOR IS FORCED OPEN WITHOUT A VALID CARD READER OR REX SIGNAL, THE AUDIO VISUAL ALARM SHALL BE ACTIVATED, AND A DOOR FORCED OPEN ALARM SHALL BE ACTIVATED AT THE SECURITY CONTROL WORKSTATION.
- 6- SHUTTER DOOR SHALL BE INTERFACED WITH FIRE ALARM SYSTEM SUCH THAT IN CASE OF FIRE THE DOOR CONTROL BUTTON SHALL BE ACTIVATED WITHOUT PREVIOUS AUTHENTICATION AND A SIGNAL SHALL BE SENT TO THE SECURITY ROOM ACD MONITORING WORKSTATION.



- NOTES:
1. FOR GRAPHICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING NO. PD2081-10-GEN-TG-001.
 2. THE DOOR DETAILS ARE MEANT TO BE DIAGRAMMATIC ONLY, SHOWING EQUIPMENT AND GENERAL WIRING INFORMATION, EXACT MOUNTING ACCESSORIES, MATERIAL TYPES, DOOR SWINGS, ETC. ARE NOT INDICATED AND ARE TO BE PROVIDED BY CONTRACTOR AS PART OF SHOP DRAWING.
 3. THE CONTRACTOR WILL COORDINATE ALL ACCESS CONTROL SYSTEM EQUIPMENT WITH DOOR HARDWARE PACKAGE.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PROGRAMMING FOR EACH DOOR FOR THE APPROPRIATE SEQUENCE OF OPERATION. THE SEQUENCE OF OPERATION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE SCHEDULES, ACCESS LEVELS, DESCRIPTIONS AND ALARMS. THE PROGRAMMING SHALL INCLUDE CAMERA CALL-UP IF A CAMERA IS AVAILABLE TO VIEW THE DOOR UPON ALARM.



MOVEMENT FROM	MOVEMENT TO									
	EXTERIOR	PUBLIC CIRCULATION	NON-PUBLIC CIRCULATION	SERVER ROOM	TELECOM ROOMS/ CLOSETS	ELECTROMECHANICAL ROOMS	CONTROL ROOM	SERVICE PROVIDER ROOMS/ CLOSETS	FIRE COMMAND CENTER	ELECTROMECHANICAL CLOSETS
EXTERIOR						CR				
PUBLIC CIRCULATION				CR	CR	CR	CR	CR	CR*1	DC
NON-PUBLIC CIRCULATION				CR	CR	CR	CR	CR	CR*1	DC
SERVER ROOM		CR	CR							
TELECOM ROOMS/ CLOSETS		REX	REX							
ELECTROMECHANICAL ROOMS	REX	REX	REX							
CONTROL ROOM		CR	CR							
SERVICE PROVIDER ROOMS/ CLOSETS		REX	REX							
FIRE COMMAND CENTER		CR	CR							
ELECTROMECHANICAL CLOSETS		DC	DC							

AREA NAME	AREA DESCRIPTION
EXTERIOR	AREA OUTSIDE THE BUILDING
PUBLIC CIRCULATION	PUBLIC AREAS (LOUNGES, LOBBIES, PUBLIC CORRIDORS, ETC)
NON-PUBLIC CIRCULATION	NON PUBLIC AREAS (STAFF CIRCULATION)
SERVER ROOM	ROOM HOUSING THE SERVICE RACKS AT OPERATION CENTER
TELECOM ROOMS/ CLOSETS	ROOMS HOUSING THE TELECOM RACKS AT EACH BUILDING
ELECTROMECHANICAL ROOMS	LARGE UTILITY ROOMS (HV, GENERATOR, UPS, TRANSFORMER, LARGE MECHANICAL ROOMS, ETC)
CONTROL ROOM	CONTROL ROOM HOUSING WORKSTATIONS AT OPERATION CENTER
SERVICE PROVIDER ROOM/ CLOSETS	ROOMS HOUSING SERVICE PROVIDER EQUIPMENTS
FIRE COMMAND CENTER	ROOM HOUSING FIRE PANELS AND WORKSTATIONS
ELECTROMECHANICAL CLOSETS	CLOSETS HOUSING ELECTRICAL AND MECHANICAL EQUIPMENT

ACCESS CONTROL KEY	
CR	CARD READER WITH INTEGRATED BUZZER
DC	DOOR CONTACT
REX	REQUEST TO EXIT
	FREE MOVEMENT
CR*1	CARD READER AND BREAK GLASS UNIT AT LOWER SECURITY SIDE
	NOT APPLICABLE

ACCESS CONTROL SYSTEM CABLING:

THE CABLES LISTED BELOW ARE THE GENERIC CABLE TYPES USED TO SIZE THE CONDUITS IN THE FOLLOWING DETAILS. CONTRACTOR SHALL VERIFY THE MANUFACTURER'S RECOMMENDED CABLES FOR HIS SYSTEM AND USE THE APPROPRIATE CABLE TYPES. ANY INCREASE IN CONDUIT SIZE DUE TO THE SYSTEM CHOSEN SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE FOLLOWING CABLE TYPES ARE GIVEN FOR REFERENCE PURPOSES ONLY.

ALL CABLES PROVIDED AS PART OF THIS CONTRACT SHALL BE RATED FOR THE ACTUAL INSTALLATION. THE SIZES OF SOME OF THESE CABLES MAY VARY AND THE CONDUIT SIZE SHALL BE ADJUSTED ACCORDINGLY. IF ANY CABLES NOT APPROPRIATELY RATED FOR THE USE ARE DISCOVERED DURING THE COURSE OF THIS PROJECT THAT WERE PROVIDED BY THIS CONTRACTOR, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR REPLACING THOSE CABLES AT NO COST TO THE EMPLOYER.

TYPE	DESCRIPTION	CABLE TYPE
A	CARD READER CABLE	4 PAIR 16 AWG SH
B	DOOR CONTACT CABLE	2 CONDUCTOR 22 AWG UN-SH
C	REQUEST TO EXIT MONITORING	4 CONDUCTOR 22 AWG UN-SH
D	LOCK CABLE-POWER CABLE	2 CONDUCTOR 16 AWG UN-SH
E	BREAK GLASS UNIT CABLE	2 CONDUCTOR 22 AWG UN-SH
F	OUTPUT CABLE	7 CONDUCTOR 16AWG UN-SH

FOR CONSTRUCTION

No.	Description	Date	App.
1	GENERAL REVISION	09/03/2021	M.K.
0	APPROVED ISSUE	28/01/2021	M.K.

Drawing Title:

PRESIDENTIAL PARK
IP ACCESS CONTROL
SYSTEM DETAILS

DESIGNED	W.A.	CHECKED	N.S.	APPROVED	M.K.
DRAWN	A.S.	DATE	28/01/2021	SCALE	NTS
PE20851C	FD	GEN	TY	501	1
Project No.	Phase	Project part	Department Acronym	Sheet No.	Rev.